

FIGURE 1

1 ggatccagaa taacccaaaac aatattgaaa aataaagaac agcgttgggtg gattaacatt
61 ttccaatttc aaaacttact atagcactgc ggtaatcaag cagtgtggca ctgtatagca
121 tgtacattac agatcagtgg actagaatca atgtccagaa ataaaccgtt atgtttataa
181 tgaattactt tttaataagg tgtcaagaca acgcaatggg aaaagaataa tgaattcaac
241 aaatgatgca tggacaaccg gacatgcaca tgcaacacaa tgaatttgaa ttcttctatc
301 gctccatgca taaaaactaa ctcaaaatgg gtcacggatg taaatgaaaa gctaaaaacta
361 taataatcct agaggaaaaac ctaggagtaa atctttaaga tgttattgta ggcagtgggtt
421 tctcagatag gaccccaaaa tcacaagcga caaaaagaaa ttggacttaa agttaaatatc
481 ttttgtgctt caaacatcat caagaaagtg aaaacacaa cgcgagaagc aataaaaaatg
541 tctgtaagtc atgtatccga ttagagactt ctatccagga tatataaata atgcaattca
601 atgataaaaa agataaatag cccagttttc caaagagtca agcatctgaa tatacatctc
661 tccaaaaata tacagatatc caacaagcat gtgaaaagat gttcaaagcc atttgccagg
721 tgcacaaacc caagacagta tgaggagatg ctacagggac tctgctgctt cacagacatg
781 aagcgttgggt gagaatgtag gcagccgcct ttggggactt cacatccccg ccgccccacg
841 cacggtgagc tagtgtttaa acttagccga gatcaataca cgcgactgtg tgcccgctcag
901 accctgcgct gccggcgggg ctgggagagg cgggcgccag gagtggcgcg gaacctgggg
961 gtcaggcccc agccgcggga agcgcgcccc ggagcgcgcg aaaccttctc cacaccttc
1021 caggcatttg ccgcgcgga ttcagagagc cgaccctgta cccctggcct cccctagaca
1081 gccccgcag tccagatgtg ccgtccccgc tgccctccgc gaccactggc catctctggg
1141 cctgggcgcg gttctcggcg cccggcctgc ccccgccagg agccgcaggt ccagccagtg
1201 aagaagcccg cgctgaagg agcctctgtg ctccagaatc catcctcagt atcagcgctg
1261 ggggtggcctc ctccaggaag cccttctgat tctctcatgg gtctctctt ctctgcagac
1321 tcccgagca cccctgctc caagtaccgc aagtggcact gagaacttgg ggagagcaga
1381 ggctgtgcct agatttgtag ggagtccccc cagctccacc ccagggccta caggagcctg
1441 gccttgggcg aagccgaggc aggcaggcag ggcaaagggt ggaagcaatt caggagagaa
1501 cgagtgaacg aatggatgag ggggtggcagc cgagggttgc ccagtcacct ggctgcagga
1561 acagacacct cgctgaggag agaccagga gcgaggcccc tgccccgccc gaggcgaggt
1621 cccgcccagt cggcgccgcg cgtgaagagt gggagagaag tactgcgggg gcggggcgcg
1681 gggcgggggc gggggcgggg gcagccggga gcctggagcc agaccggggc ggggcccggga
1741 ccggggccag ggaccagtgg tgggaggagg ctgcggcgct agatgcggac acctggaccg
1801 ccgcgccgag gctcccggcg ctgcctgctc ccgcggcccc cgccatgcc tcctacacgg
1861 tcaccgtggc cactggcagc cagtggttcg ccggcactga cgactacatc tacctcagcc
1921 tcgtgggctc ggcgggctgc agcgagaagc acctgctgga caagccctt tacaacgact
1981 tcgagcgtgg cgcggtgagc gcgggcgggg cacgggtgga gcgcgggctg aggtgcgtcc
2041 gggacccggt ttggacggca gaggcctggg cggggcgccc gagggcccgt cggggcgggc
2101 cggacaggac tgggggtgtc caggaccctg tcaggagggg cagaactgcg gtggggcggtg
2161 ccctgggctc ccagtggccg gtgggtacc

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FIGURE 2

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1      ttgcacgctn ctcagccccc gctgtactat tgggtctaac gtgccatcgt ggtttgctgc
61     acccatcaac ccatcatcta cattaggtat ttctccta gctctctttc cccttgcccc
121    ccaccctcta acacgccctg ttgtgtgatg ttgacctccc tgtgtacatg tgttgtcatt
181    gtacaactcc tgcttatgag tgacaacatc tgtctgattt tctgtcttgt gttagtttgc
241    tgagaatgat gggtcccatc ttcatccttg tacctgcaaa ggacatgaac tcatccttta
301    atatggctgc ttagaatccc acagtataga tgtgcctcat tttctttatc cagactatca
361    ttgatgggca tttgggttgg atccaagact ttgctattgt gaacagtgat tcaataaaca
421    tacgagtgca tgtgtcttta tggatgaatg attgataatc ctttgggcat ataccacta
481    atgggattgc tggacctaat gggttgccct gatcctgatc cttgaggaat caccacactc
541    tcttacagtg taaaagtgtc tctatatata ctcatccct ccagcatctg ttatttactg
601    actctttaat catcaacctt cttactggag agagaagggt taattaccac taatgacgag
661    cctttaatca aattgttgtt ggacccttcc caacttactt gcgaaggggt catttgtaaa
721    cttacgccac cttttgatgg ggcagttttt ctogtttata cgcaaagatc ctgggggacc
781    ccttttttta actcttttga agaccgttat atctgaacaa tttctcccat accgagaggt
841    ggcgggttac aacccttgaa agtttctttt tttttttggg gccccttagt ttcacaaaaa
901    tcccttcgga ccaatttgcc ttttgttgcc aaggaatttt tccccctaa tccctagga
961    tctttccag ggcacacagg tgtatggccc ttccccagaa ttttctctct gggtatccaa
1021   tgttataaga aaaaaaattg gggaattttt ttaaacctcc aataaaattt tttatagaga
1081   taaggccggt ttcatttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
1141   nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncg
1201   ggtcttcagc ccgtggtgaa gactgattaa cagtcataag aaggtaaagc tctaagtac
1261   ctgtaagaaa catacagctc cacacaatta ggcaaggagt ccaacttgga agaaagagt
1321   gcatagatc aaacctgat gccacaactt atgttaacc tctgaggct caacttctca
1381   cacatgacag gagaatctca tcatgtacct caattaattg atatacagat tatggtaaac
1441   attcaatgaa aaagtatgta aagtttctat cattctacta cagttggtat tcaacaaatg
1501   ccactttatt cactttctgt taagcctgaa agaagtactg aatgacatca acgagtcaa
1561   ttcaacaaat ataatttgag cactgattac tcaataagca ttatgaggaa ctaaaatatt
1621   atcagcaaat gatggctgac atagaggaaa tgtgacagag taggaagatc cctgtactcc
1681   ctgtatcaaa ggactgagat tcttccactc aggaccatgt gtgaccccaa cagaaagtag
1741   aaatttacag aaagatacct ggcaaaaacac ccaaatagtt tgaagttaaa aaatctctca
1801   ctgaataaca ccccatggaa atttttaag attataatgt gaattaaaat gaaaacatat
1861   aaccataaca aaaattgtag gatacaggaa aactgggtgct catatagcat taactgttta
1921   cattacattt tagagaatca acttaattca attatctaag tttctatttt agaaaactat
1981   gtaaaaaaag gagagcatat ttaaaaagta agcagaagaa caaaagataa gcatgacaga
2041   caatgaaatt gaaaatggaa aaatcataga gaagaatcaa atgaatcaaa agtagtttct
2101   tggaaaagat caataaataa aattgggtga tataatttac tgatattagg agtgggaaag
2161   ataatcactg atcatagatc catgatgaac aagcttattt caataaatta caaactcag
2221   caacttcaac aaaatggaca gattacttgg aagacaccaa ttaccaaagc tcaaaaaaag
2281   agaatctaaa tagtcttata tttatgaaaa aaaaaaacia aactgaattt gtatttaaaa
2341   actttgccac aaagaaaatt ttaggttcag atgggtttcc taataaattt ttcccattta
2401   gtaagaataa tatcaattct acacaaactc attcaaaaaa aaaggagaga gaatacttta
2461   caacacgttc tgcaagggtc gtattaccct gataccaaaa caaaggatat tacataaaaa
2521   cgacaccaat atccttcatg aacatagatt cttcaccacg gggctggaag gatccgnnnn
2581   nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
2641   nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatag cagcccttg agccctggt
2701   gaataataaga gattaggcta cagcgtgttc tactccaact ttatttgctt tctgagcatc
2761   taattccact ttgcaaaatg gacatttttt ttccctcttg agagtcagga aattaccagg
2821   tgtgccagga taatccttag tatcaactgt aaaatatcag tataaaataa tgagtaagca
2881   tatttcagtg ggtgtttata tgccttttgg tgcatagcag gagccaaagg cagataaaaa
2941   atgtggggtc cagatagtga ctcaatctcc agaaatcata atgtcagtta cacaatgata
3001   tttctatatt ggcatacaaa aataatccac ttgtcatagg ataattgctc tagatgagg
3061   catggagctg tgctgaggaa tctgccattt ttctttatcc agactctgtc tcataccgac
3121   cacaggcccc aatcattgtc tatcaaaaaa catgcttgtg tctcttttgg cttactatga
3181   aagggaagcaa gatcttttcc tcaagcattt aagtgttgac tgtgggctac ccagtgtgct
3241   agacactgng gatcaaattc tgtgagggtta aaaatacccc ataactcact ggatagaaat

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FIGURE 2 (cont.'d)

3301	tcaaaatgct	cgctatgttg	attctatgat	caacttccaa	ggggaccttt	ntacctccta
3361	tcttcatcag	caagcaacta	cattgatttt	gtagcccagg	atctattccc	acgtcaaccg
3421	tgggtttcaa	atgtttgtct	tagctcaatg	gcctcttaag	ccactaacc	aatatgttgc
3481	tttttaccag	taaaaaagtg	catctgggga	ataagttggt	gtatatttgt	ggttcagcca
3541	gcccatagat	cgtccagagg	accccaggct	taggaggaat	cctcagattt	gagagccact
3601	gtcctgtatg	atgcagatag	cacagctctt	cctgaaaata	ggaattcaaa	tgaggaaaaa
3661	tgaaaactct	cctaattatt	ttcttctgcc	tctttcattc	caagctcatc	taattatcat
3721	gctctattgt	gaagaatcaa	agaaagaact	cataaatata	ccttttgtgc	ctgtattttg
3781	aatgtacgtt	gtgcatgtaa	gcctttgtgg	ttaagcaaat	gtcaagaaaa	tccctagtcc
3841	cattgcttac	agtcaatatg	gggcaattca	agcaaaagtat	atgcctctaa	tatggtttga
3901	aaattctgaa	agttcagaaa	aaatgttgct	acttcagcca	tctgatgtta	ctggatattg
3961	agaatgagac	ctcctctccc	tctgctttcc	tcatttccat	ctcctccttc	ctctttctcc
4021	tctctccctc	tcctttattc	tccttctccc	tcctctctct	ccatgcttac	tcccttccctc
4081	ttctccctct	ttcttcttta	ttctccttct	ccctcctctc	tctctctccc	ctttttcctc
4141	ccttcctctc	ctccctccct	ctcctttatt	ctccttctcc	ctcctctctc	tctctccccc
4201	ttttcctata	ttcccagatt	aggccatttt	caaaactggg	taaacattcc	ccaaaagcat
4261	ttatgacaga	gaattgacta	ggatctcacc	tgaatcacag	agcttgccca	ttgaacacag
4321	gcaaaagatca	agccattttc	tcttgatgtg	atgcttcagc	attttatgca	tttgaacaaa
4381	attttatgta	aaaaaaaagct	tagccctttg	gtgacgggga	ttccttttct	ggatgatctg
4441	ccaaagaatc	aagacccaac	gtccagctta	tcaaattttc	tctggacctt	tannnnnnnn
4501	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
4561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnccgtgggt	aagacttcca	cgtgaacttt
4621	aaagtagttt	tttccaattc	tgtgaagaat	gtcattggta	gcttgatggg	gatggcactg
4681	aagattttct	tcatttttat	gactgcatag	cattccatgg	agtatatgta	ccacattttc
4741	tttatccaat	tcactgttgg	tgggcacctc	ggtcaattcc	atgactttgc	tgttgtgaat
4801	agtactgcaa	tgaacatgtg	agtgcattgt	tcttttttga	ggaataattt	gttctctttt
4861	ggatatatac	ccagtaatgg	ggttgctggg	ccaaatggta	gttctgtttt	aagtcttttg
4921	agaaatctcc	aaactgcttt	ccacagaggc	tgaactaatt	gacattccca	ctgccatgca
4981	tgagcattcc	cttttctcct	cagctccacc	aacatctggt	gctttctgac	tttttgataa
5041	tagccattct	gatgtgtgag	atggtagccc	attgggggtt	cttttttttt	ttttaagaca
5101	gagtctcact	ctgtcaccta	ggctgtggca	caatgttggc	tcgctgcaac	ctctgcctcc
5161	tgggttcaag	tgattctcct	acctgcacct	actgagaagc	taggggttaca	ggcacctgcc
5221	accacacca	gctaattttg	gtatttttgg	tagagacagg	gtttagccat	attggcaagg
5281	ctgggtctcta	actcctgacc	tcaggtgacc	cacctgcctc	ggcttcccaa	agtgtcggga
5341	ttgcatgcgt	tagctaccat	gggtgggttt	tgacttgcat	ttctctgatg	attagtaatg
5401	atgatccttt	tttcatacat	ttgttggcca	cttgatgtgc	ttcttttgag	aagtgtctgt
5461	tcatatcttt	tgcccatttt	tcaatggggg	tgttttttcc	ttgtccagtt	gtttaagtta
5521	tttatagatt	ctggatatta	gtcctttgtt	gggtgcataa	tttgcaaata	ttttatctca
5581	ttctgtagg	tatctattta	atctgttgat	agtgtctttt	cttgtagaca	agttgttcag
5641	tttaattagg	tctcacttgt	caatttctgt	ttttgttgta	attgcttttg	aggacttaat
5701	cataaattct	ttcccaaggc	ccatgtccag	aatgggtgtt	ctgagatttt	cttctaggat
5761	tcttttactt	caagggtctta	tattttaaate	tttaatccat	ctggagttaa	tttttgtatg
5821	tggcaaaagt	taggtgtcct	gtttttatttt	tctgcatatg	gctagtcagc	tatcccagga
5881	ccattcattc	actaggaggt	cctttcccca	ttgtttactt	ttggcaactt	tgtcaaagat
5941	tagatggctg	taagtgtgca	gattttatttc	tcagctctct	attctgttca	actgggtgag
6001	gtatctgttt	tcgtactagc	accatgctgt	tttggttact	gtagtcttat	tagtatagtt
6061	tgaagccagg	taatgtgatg	cctctggcct	tggtcttttt	gcttaggatt	gctttttggg
6121	ctctctgttg	ttgttgttcc	atatgaattt	taggacactt	ttttccaatt	ctataaaaaa
6181	atgacattgg	tagtttggtg	ataatagcat	tgaatctgta	gatagattgc	tttgggcagt
6241	atggccattt	taatgatatt	gattcttcca	atccctgagc	atggaatgtt	tttccattta
6301	tttgtgtcct	ctctgatttc	ttttagcagc	gttttatagt	tctccttgta	gagatctttc
6361	acctccttgg	ttagctgttt	tcctaggtat	tttaattttt	tgggcctttg	taagtgggat
6421	tgcaagcttg	aattggttct	tagcctgaat	gttattgggt	tatagaaata	ctactaattt
6481	ttgccatcca	ttttgtatcc	tgaacgtcc	ctgagtcatt	tgtaatttcc	cagaggcttt
6541	gtggagtctt	taggttttct	atttttagaa	tctattcttc	ccaaagagaa	atactttccc

FIGURE 2 (cont.'d)

6601	ctctctttttc	ctaactcgac	cccttttattt	attccttttgc	ccaaggcttg	gaaagccctt
6661	ccatacttttt	ttaaaaagaa	cgtggaaaaa	ggccccctttc	ttattctcgt	ttaaaggaac
6721	cttccattttt	cgctgtcaaa	tggnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
6781	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
6841	nnntttgttg	ggaatatccg	gtgcttatttc	ctcttcagga	gttttattct	tccaaaaatg
6901	cagctttttca	ttcctcctcg	tttttctttc	tgtgccaaat	gcctccagcc	tttccatggt
6961	ggtgcggtaa	gctagacatt	tttagtttgt	agtgattggt	ttcgtttgtg	tttgtatggt
7021	tttgtgccca	tagtcacttc	tgtaatgttc	gtttctgagt	ttcctttggg	gggattaacc
7081	tgccactgaa	gtgtcagctt	ccctgtcatg	ggactgtcct	tggaaatgaca	ggttttcctt
7141	ccaccatagg	atctgccact	gtgaaggaga	tgatgagagc	cccctgatca	ccccctgcc
7201	ctgcacagga	agcctccact	tcgtgcacca	ggcctgcctg	cagcagtggg	tcaagagctc
7261	cgacacgcgc	tgctgcgagc	tctgcaagta	tgagttcatc	atggagacca	agctgaagcc
7321	actgagaaaa	gtacgtggga	ggaagggatg	cttcaccctt	cctgaaacca	gtgaccccca
7381	gaaagctggg	gtctcagatc	atgaggtcat	ggcttgccctg	cgttcatttc	cttaaaaaagc
7441	tggggctggg	gcttacattt	gcattgtaga	gattgttgtt	tctggtgctg	attttcaagt
7501	ccctcttctc	aggaagaagc	tctttctgac	cattcataat	ccttcttttc	ccttcaaaagt
7561	aagactgctt	gcttgtcggg	gtcagtcctc	tggcctttga	ctacagactg	tttgtgacat
7621	atcttagcac	ctaattttat	acatattaac	tgttgacgtc	ctgcttctct	gattaggact
7681	gtctgttgga	gattagtatc	tccccagcac	ccagcacagt	gtagcataca	gtaaatttat
7741	ttgtatacac	ccatgataac	tatttgctgg	atgggagtg	gagtaggtgg	atagggaaaa
7801	gaaaggaagc	acaaacgttg	cgtgatgtgc	aactgtcttc	agaaaggacc	cacaggcatt
7861	gcatgacacg	cagctgtctg	gaggcccatg	tcactgctcc	ctctgagagg	agctttgtcc
7921	gccacactgg	cttctctgtt	aaattttgac	tgtttcatat	atctctctag	atgccagca
7981	caaaagggtt	tgtctggaag	aataaaaaaac	tgttcctatc	tcagaacatt	aatatataaa
8041	ttgcaagata	agtcacataa	tcaaatacta	gccaaatata	tgctaaatgg	tgtgctggta
8101	gagcataaca	gtcattcaga	aaaggaaatg	ctcattatga	gctagagtgc	tggggaagtg
8161	gagcgatggg	agcctcatag	gggtgttggt	ttttagagca	gttcttgaag	gatcactagg
8221	atttgagggc	agagtgcgaag	gagtttagag	aggtcaggct	gtctgtggag	taaagcatat
8281	cctagaaagg	tgaagggtga	cattgacagg	gtgtcaagct	acgtgcgttg	taggaagtag
8341	cagggagcat	ggggcactga	ggcactgact	ctgtattata	ggtaggaaga	ccaggggaact
8401	tgctagtgtg	taaaatccca	gcagaaaaaca	accagattta	gagaaggctt	gtgcaaactg
8461	cttaaaaaaa	tgttttgccc	agtagaaaacc	ttgtaattta	ttgggtgcct	atcttatgct
8521	aatctctcaa	catgggaagt	ccttgaggct	ctattttcaa	ctaccctgca	tagactcatc
8581	tggaaagagg	ctgtgactag	ggttggcaaa	ggatatgtgc	agagtgttta	cacattgttc
8641	tttctctcta	cctttatgtg	ttttctcctg	attcggaaac	cagtaaatga	aaaagaaagt
8701	ctggctattt	ggagtaaatt	aatgagctcc	tagaggagat	gggactagca	gagtctgctt
8761	gtaccaggaa	ctcttagcgt	cgatttcgag	ctgttgctgc	caaagtagca	aggaccaaag
8821	agtgagcgtc	ttctgccatt	caccttcaca	atgtagtgtg	acccatctgc	tagtgtgttg
8881	tggcatcatc	aaccctcttc	ttccgctcgt	ccatgccagt	cagcacatca	gggagactta
8941	aaacgtagta	cctgggtcct	gggccaacat	actgttttca	ttaggactga	aatcatagaa
9001	ttctttatca	ggccatctta	tgtctgcttg	caagaataag	cagacaaggg	gatttttgat
9061	ggtagttctg	cattcatctt	gatcctggct	tcttttcatt	gcatagaaa	ttggctgcac
9121	ctggtacctg	gttgaagcca	agtgttttta	ggagaacaat	acttggggga	atgcatctag
9181	tttggggaagg	gagaagtggg	gtggaaaagcc	aatcttacct	acctacaatg	ctctcaccct
9241	accggagccc	ttccccagaa	gcctgagcct	cacactctgt	gttgtctttc	tagtgggaga
9301	agttgcagat	gacgtccagc	gagcgcagga	agatcatgtg	ctcagtgaca	ttccacgtca
9361	ttgccatcac	atgtgtggtc	tggtccttgt	atgtgctcat	tgaccgtact	ctgcaggaga
9421	tcaagcaggg	gcaggcaaca	ggtgagttct	caggctggag	caagctcagc	atgggggccc
9481	ggatagctca	caggagtcct	ggggtcagag	gattttccag	ttagccaaaa	acgtctgggt
9541	ttccggagga	gggacatcag	ttaggaggca	ctagcctcct	ttttggcatt	tcttttgctg
9601	tgggtgtagt	ttttgaaacc	cagtcaaggag	agttcatatt	ctggagcatg	agaatctccg
9661	caaactacat	cctataaaa	caggaaagtag	ctggacactg	tcttccactc	ttctttgact
9721	gagcaacatt	ggatgagttg	tgaatccatt	ggtcagtggt	gcaggcttgt	ggtccccaga
9781	tacttgaggc	tgagggatgg	aggattgctg	aggctcagga	gttcaaggct	gtagtggtgc
9841	atgatcacac	ctgtgaatag	ccactgcact	ccagcgtggg	caacatagca	agactccatc



FIGURE 2 (cont.'d)

9901	tcttaaaaaa	caacaacaac	aacaaaggtc	ttcaccaggg	atctgcctag	gtcagcgagg
9961	tgggtcatca	agannnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
10021	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnggagtgt
10081	acttcacccc	gtggtgaaga	tgcggcacag	actggcgttt	cctacggcgc	cttcactgga
10141	aagcgccctt	gtggtcctgg	ggagagggcg	gtccatccg	ccacccttcc	cggagctgcc
10201	cccgccatt	ctcatgggag	gaaatcgag	ggcgtgtgag	ccccgaccc	ctcgcccca
10261	cctctgccag	gaccggccgc	atcttctgcac	tgtcccgccc	cactgggaag	gaaactctct
10321	ttctcaat	cctttaatga	ggacattgtc	ttttcagccc	tgccaccccc	tgcaatcgtc
10381	ttccaggctg	caaacagcga	gtggggaggt	gaacacatca	gcttttcttc	cctccacacc
10441	accaggaaat	ttcgcaaacc	acttggtctc	cggcggcctg	gcctcgccac	acctgtgcc
10501	acagtctctc	tccgctgcag	ccccctgtgc	cattctccag	gccccacgta	cctctgcctg
10561	ggcccagtaa	gacctggtca	gatggccccc	ggctgcaaag	ccttctctggg	ccccatcaga
10621	gaggacgccc	aggtgaagcg	agggtccctt	gccaccctg	caagcgaggg	ggccttcca
10681	agagtgcagc	cctaggccgg	tgtgtgatgg	tggagacgag	gtcccagagg	gcctgaacca
10741	agaatggaga	agacaaaggc	tgtctttagg	gagaaacttc	cctgaggggc	tgatgtgtgc
10801	gatcccattt	taatctcaca	accctgggga	ggagctgggg	ccgggtctca	ttgttcattt
10861	gaggacaccg	aggctcaggg	aacttagacg	actttcctag	ggtcccccac	accccaccg
10921	gcccaggccc	ctctcccagg	cacccctcat	ccccacacag	gctcctctaa	gctgcttctt
10981	tgtggtccag	cccccttggc	tcagctcttc	aaatacaggg	acacctcttc	tctccccgc
11041	agaactcaag	ggtctccatc	caactgtgcca	gcacagaggc	ggtgctcaga	gtggggctaa
11101	gcttactgtc	cagcctgctg	ggccaggagg	ggcagaaggg	cccctctcag	gattccttcg
11161	ctctgctcct	gccaataggc	catcactcaa	ggggctaattg	acaggacgat	gtggagaaac
11221	gtgggctgca	gcacttctgg	ggccaagggc	agggtgggag	gcactgggga	gtacagggga
11281	ggggacctca	ctggggccag	aggcttctag	aagcttctgc	aagaaggggc	gctcaccaca
11341	tgtcttgggc	aagaagtggg	gagggtgggt	gtggcaaagg	aaacagctag	gtcagagaca
11401	agagatgctc	tgcaaagccc	tgtgtgctcc	ccacggtgga	gcacacctatg	catgtaggac
11461	ctgagagatg	gcaggggagg	gtgcgtccct	atggatgtat	ctccatttct	gggcagagac
11521	atctgggctc	tcacctgcaa	ttgagccaac	caagaaatta	tatttacttt	ttagagcgag
11581	cctccaacaa	attatacaag	cacttgagaa	taagccctcc	cactgtcttg	agagatggag
11641	cccaggaggg	cagctggaaa	gatgctcctg	ccctcactca	ggagagatgg	tggagctggg
11701	agaggaggag	gcactccctg	ggaccagca	gatggacttg	actcagcaaa	tagatgcaac
11761	catatgtggg	gggtggggag	gaccagaaa	gcattacagg	ccagtgttct	taatcctggc
11821	tatacactgg	aatccaccag	tagccctaaa	atataactgt	gctggacttc	ccctggttcc
11881	acagtgtgtg	cagagtgggc	agcatggagt	ctgtaacact	aaacacacag	gattgagaac
11941	catatgtcta	ggctgttgtt	agccatgatg	gggatacatg	aaaaggagg	gcacagttac
12001	cttctatacc	acaggatagg	tgtctattaa	accctgttaa	aatggactgt	gaccagctg
12061	gcactcaggg	gcactcaggg	gccagggtgg	tcacactttc	attttaatatg	gatttaatatg
12121	gcacctattc	tgtgacagct	gctaagatac	agaggctcct	gagatacaga	gatgacaatg
12181	accttcagaa	acactgaaca	gagataagaa	aggcacagtc	tggccttcac	tccaccatta
12241	attcctccat	ccatccatcc	atccatctat	ccatccatct	ctctgtctat	acttccatcc
12301	atccaccatc	cattcaccat	ccaccatca	atccatccac	ccatctatcc	atccatccat
12361	ctcactatct	gtcatccatc	catccatcca	ccatccatga	atccatccat	ccgtatatca
12421	atttctcatc	tatctctcca	tccatcccc	atccacctct	tcttccatcc	ttcctccttc
12481	ccttcatcca	tccattcatc	atccatccct	caaccatcc	atctgcctgt	ccatcggttt
12541	gattgtccat	ctgtccagta	ttcctccatt	ccctccaaac	tgggtggcag	tactctccac
12601	ctcactacct	caccatcctt	attattccct	ccaaactgtc	tctttcaca	gggccttctg
12661	tctgtcctgt	ccatcctgg	tctgggacct	atcccactaa	agctacatgg	ctttgatcaa
12721	caatcccaat	cccagagtag	gggaagggaa	gtgagccctt	aactgccgtg	atgtttccag
12781	ggagatgggtg	gatactgctg	cattactaat	ccagatgtta	ggttttaatt	tttctctcca
12841	gtagacccca	attgtggtag	gagaaaaatg	ccccagcttt	ggacacaaac	agacctggat
12901	tcaaactcctg	gttttgccaa	tttctgccta	aatgacttta	ggcaaactcc	ttgaccttga
12961	ccccctggag	actcagtttc	ctcacctaga	aatggtcaat	aatattat	acctcccagg
13021	atggccatga	agcttaaaat	agattattgt	acccccaaa	acaccgacac	aatgtttaga
13081	aataaataat	attattttta	gctttgaagt	ctggctgggt	tctcagctc	gtctacctgc
13141	tgggtgtgca	gactcaaagc	cagggtccca	ccctcataga	ctgtcatctg	tgggtgtggg

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FIGURE 2 (cont.'d)

13201	gttggcctgg	cactagcagg	tgctaattgct	cctcagagga	ttctaggtgt	aaaaggaaat
13261	gaaaatcttt	ggaccccaat	tcactctgcc	aaaagggaaa	aattaagctg	aaagctgagt
13321	gatgcaagaa	acgaagatag	ctacagataa	aaggtgaaaa	cctccacagg	tagctcttgg
13381	tgttcacctt	atcaagtgct	gatgtactaa	gcgcaagagg	aatacataac	tgactattcc
13441	cctacctgct	ccttttcttt	tgcaacatgt	ggattcagta	acgtgaccat	gccctccctt
13501	tcttccttcc	agcctgttct	ccttttaaata	ttgatgccct	taaagacatc	ttcggaaaaa
13561	ggcacagtcc	accaactgtt	cctgtggatt	tggttccctt	ttttccgtgt	atgtcttttt
13621	ttttattatt	atactttaaa	ttctaggata	catgtgcaca	acgtgcagga	ttgttacata
13681	tgtatacatg	tgccatgttg	gtgtgctgca	cccattaact	cctaattagg	tatatctcct
13741	aatgctatcc	ctccccctc	tccccacccc	atgacaggcc	ctggtgtgtg	atgttccctt
13801	tcctgtgtcc	aagtgttctc	attgttcaat	tcccacctat	gagtgagaac	atgcggtgtt
13861	tggttttttg	tccttgcgat	agtttgctga	gaataatggg	ttccagcttc	atccatgtcc
13921	ctgcaaaagg	cattaactca	tcctttttta	tggtgcata	gtattccata	gtgcatatgt
13981	gccacatttt	cttaatccag	tctatcgggt	atggacattt	gggttggttc	caagtccttg
14041	ctattgtgaa	tagtgccaca	ataaacatac	gtgtgcatgt	gtctttatag	cagcatgatt
14101	tataatcctt	tggttatata	cccgataatg	ggatggctgg	gtcaaagggt	atttctagtt
14161	ctagatcctt	gaggaatcgt	cacactgtct	tccacaatgg	ttgaactagt	ttacagtcct
14221	accaacagtg	taaaagtgtt	cctacttctc	cacatcctct	ccagcacctg	ttgtttcctg
14281	actttttaat	gattgccatt	ctaactgggt	taagatggta	tctcattgtg	gttttgattt
14341	gcatttctct	gatggccagt	gatgatgagc	atttcttcat	gtgtctattg	gctgcatgaa
14401	tgtcttcttt	tgagaagtgt	ctgctcatat	cctttgccca	ctttttgatg	gggttgtttt
14461	tttcttgtaa	gtttgtttga	gttgtttgta	gattctggat	atcagccttt	tgtcagctga
14521	gtagattgca	aaattttttt	cccattctgt	aggttgccctg	ttcactctga	tggtagtttc
14581	ttttgctgtg	cagaagctct	ttagtttaat	tagatcccat	ttgtccattt	tggtttttgt
14641	tgccattgct	tttggtgttt	tagacatgaa	gtccttgccc	atgcctatgt	cctgaatggg
14701	attgcctagg	ttttcttcta	gggtttttat	ggtttttaggt	ctaacattta	agtatttaat
14761	ccatcttgaa	ttaatttttg	tataaggtgt	aaggaaggga	tccagcttca	gctttctaca
14821	tatggctagc	cagtccttcac	ccggggctga	aggtaccgct	tnnnnnnnnn	nnnnnnnnnn
14881	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
14941	nnnnnnnnnn	nnnnnnnnnn	nacaatgaga	acacatggac	acgggttggg	ggggtatcac
15001	acactggggc	ctgttgggct	atggggggct	ggggagggat	agcattaggg	gaaataccta
15061	atgtagatga	caggttgatg	ggtgcaacaa	accaccatgg	cacatgtata	tctatgtaac
15121	aaacctgcac	attctgcaca	tgtaccccag	aatttaaagt	ataataagaa	aaataaaaaa
15181	aaataagtta	aaagagatta	aaaaaataaa	agagaacatt	tgccacattc	agtctttcta
15241	gatggaaaga	ggttgctgac	atatgataga	attagaaaaa	cacacatctt	gtaaatcttc
15301	atttgtttaa	aaagaaatca	tacaaattag	atgttttttg	gagatgactt	tttaaaatag
15361	agtcgttaga	tcacctctgt	aagggatatg	tctatatctg	ttcagtgggt	taggggacat
15421	ggatctggaa	agcctgagaa	gaaaaagaag	gttctatacc	agacttgtga	tatttagaca
15481	ttttcatatt	ctatccattg	ttttgtgtgc	attttattcc	tcactattgt	atatatagtt
15541	gacaatgcta	aacttttttg	tgtattcttt	ctatgtgttc	cgaatgccta	atatatgtca
15601	aaattagcgg	tagtaaaaata	atattttgta	aatatctttt	tgctaaaatt	catatgaaat
15661	gttggttttg	gaggggaatg	gccaaactac	ctgttgagta	atactcatcg	tgtttgtgtc
15721	ctggttcagg	ggaggaggaa	ggaggggaaa	gtgcagagag	ctctatgccg	ctgtgtttac
15781	agtgaggcaa	gattaaccat	tatctcttat	gtctgtgcat	tttggtttac	ttatctgttt
15841	atgtagtgta	tataaaggac	aaacgagtcc	taatttacia	catctagtct	ttttagatgt
15901	ttaaagagggt	gccagtgtat	aacaaaagta	gagttagtaa	actaatatat	tttgatatatt
15961	ttgtttttaa	attcctagga	aagattgtct	tcctatcttt	gagcattctt	gcgcactgag
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16081	tataactatg	gttacatgta	tgcagtttat	tcgagactgc	tgtgtatata	gtggacaaat
16141	taactcctta	cttgaaacac	ctagtttatc	tagatgttta	gaagtgcctg	atgtacgtta
16201	aatgtagagg	taataaaaata	ccactttgta	aatatctttt	tgctaaaatt	cataggaaat
16261	actgtctttt	agaaatttaa	ttgttaagcc	acctttgtga	gcagtatagt	actgtctata
16321	cttgttcaat	ggttttagagg	aggtgggagg	gaagaaaaat	atgtgactga	cttatttcac
16381	taagcctaata	gtctttaagt	ttcattcatg	ttgtggcatg	tgtcagaatt	tccttccctt
16441	ttaaagctga	ataatatgtc	attgtataga	tatattacct	tttatttatc	catttatcca

FIGURE 2 (cont.'d)

16501	tcaatagaaa	cttggggttg	ttccatattt	tagctatcat	gaatattgct	gccatcaaca
16561	tggttagattc	ctgtattcaa	ctctttgggt	aatacccaga	agtgaattg	ctgaataagt
16621	atggtaattc	tctgttaa	ttttgaggag	ctgctgattc	atacttttac	gtataaaaata
16681	ttagacctta	aatgtattat	gtaaaaacac	taagtatttt	taacattcta	gagtaaagaa
16741	gggtgtttctt	agcaagacag	aaaagctgaa	accctcaata	gaaaagcctt	gttaatgtta
16801	tcacataaaa	tattcaaaat	ttctgaacac	acagacacac	acgcactaac	gaaaagctat
16861	ttacaacttg	tggtagatga	agaaataatt	tcttaacata	gcaagaaccc	aggcaaatga
16921	ttaagaaaaa	gaataatcat	acaaatttaa	tacatgtgag	aagctgttca	gcctttccca
16981	ttaattaaag	aagtaaaata	taaaacaaaa	catataattt	ttcacttagc	agagatgaaa
17041	tacccaaaaca	gatgggtata	gggtgtggaac	atacttcctt	ggttgacagt	tagccaatat
17101	ctattaaaaat	cccttgccac	agtaatttca	gttctagaca	tttgtcttat	attactgtat
17161	ttattctgtc	ctgtaacat	aaattccaca	gctgcctagt	gatggttcta	tatttaaatg
17221	gaatgcttac	tctcagtatt	gttttttctt	ttgagatgga	gtcttgttct	gttgccaggc
17281	tggagtgcag	tgccatgac	tcagctcact	gcaacctcca	cctcccaggt	tcaagtgatt
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17401	tttttgtatt	tttagtagag	atggagtttc	acctgtttg	ccagtatggt	ctcgatctct
17461	tgacctcatg	atctgcccac	cttgccctcc	caaatgtctg	tgattacagg	ctcgagccac
17521	gacaccacgc	cagtattttt	ttttttaaac	cacagcttct	tcattttgag	tcctctctaa
17581	atagctgcaa	tttactataa	cttagggttt	acaattttta	aaattgtgta	tgtaaggtta
17641	tccacatgat	gtttgatata	cttcttttga	cataaatata	cacaatgaag	tgattactac
17701	agccaaataa	tgattaccat	acccatcatt	gctagcgttt	agaaagacaa	ctgattttta
17761	tgtgctgata	ttgtaccctg	caaccttact	gaatttacta	aatctagtag	ttttttggtg
17821	catcctttgg	gattttctat	taacagaatc	atgccttctg	caaatgtaag	taatttagct
17881	gcttcttttt	aaatatgtat	gcctcttatg	tctttttctt	ggctatgttc	ttttctctgg
17941	ctagaacttc	tagtacaatg	tccagtgtca	gtgttgaaaa	tgggcatcct	tgtgttggtc
18001	ctgatttttag	gagtaaagct	tacagttttt	ctacccctga	gtatgatttt	agttgtgaga
18061	ttttcctata	tgccctttat	catgctaaga	aagttccctt	ttatttttagt	ttgtgatttt
18121	ttttaaattaa	tgaaagggca	tttaatttta	tcaaataactt	ttttctgtgt	ctgttgagag
18181	tttggccatt	ttttttctat	tgaatgggtg	tattatggta	gctgattttt	ggatgtgaaa
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18301	ttgtgtggat	tggtttgcta	tgttttgtt	gggaactttt	gtgcccataa	gataagaggt
18361	attgatctat	ggttttcttt	tctgtgatg	tctttatttg	gtttttgtgt	cagggaaaata
18421	gtggcttcat	aaaatgttca	agaagtgtac	cctcctcatc	tttttgttgg	aagagtgtga
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18601	tgtttcttct	tgagtcagtc	ttggtagttg	tgtctttctt	gaaatttttt	catttcactt
18661	aaattatctt	atttgtcagt	gtacaattat	ttttggtatt	cctttataat	cctttttatt
18721	tctttaatgt	cagtagtaat	gtctcttctt	ttatttctga	ttctatagtt	tgagttttct
18781	ctcctctttc	cctgatgaaa	ctgaagtttt	ttccatttta	ttgatttttt	tcaaacgac
18841	aaattatttc	attaatttgt	gctgttatca	ttatttcctt	ccttctgctt	acttaaat
18901	agtttcatat	tttttgaag	tgtcttaagg	tagaatttta	agttattgat	ttaagaactt
18961	tcttaataca	agtgtttaca	gctgttgata	ttactcta	tacttcttta	gctgcacac
19021	aattgttttg	gtatgttgtc	ttcattatta	ttcgtctaaa	aatattatct	aatttctgtc
19081	ttgatttctt	ctttgactca	tgaattgttt	tagagtggaa	atttcatttt	aaatttccaa
19141	atatttgtga	atttcccaaa	tttcccctgt	tgttgatttc	taattttatt	ccattgtggt
19201	taataacata	ctttgcatta	tttctattct	tcaaatttat	tgaggtgtgt	tttatggcct
19261	aatatgttgt	ctatcttcta	gaatgttcca	tgctcacttg	acatgaatgt	atactttggt
19321	gttgttggtta	agtagaatgt	tccatagtc	ttgaggtcta	tttggtttgt	agtattgtc
19381	aagtcctctt	tttcccttgt	gatccgtcca	gttgttctat	ccatttttga	acgtgtagta
19441	ttgaagtcct	tgactatttc	tgttgactcg	gttgacttgt	ctatttcttt	cttttctcag
19501	gtctgttttt	gtttcattta	ttttgggtgt	tcatatata	aggtgcatat	atgttgataa
19561	cagttatatc	ttcctaattg	atggattcct	ttgtaattac	aaaaggccac	tctatctcta
19621	gtaacaattt	ttgtttttaa	gtctatttgt	ctgatatcag	tgtactgact	ccagtgtttt
19681	tgtggttgct	gtttgcataa	tatatttttc	ctgttctttt	actttcattc	tgtgtcttcg
19741	aatcaaaatt	gtgttttctc	cagacaatat	atacttcatg	ttttcttata	caatataaca

FIGURE 2 (cont.'d)

19801 cctttgcctt ttgattgcat tgtttattec attcacactg catattatta tttagtggga
19861 tttatgtctg tcatttttagt tcttttttgt ttttgttttg agacagaatc ttgctctgtc
19921 acccagcccg gagtgcagtg gcgtgatctc ggctcactgc aagctccaac tcccgggttc
19981 aggccattct cttgcctcag cctcccaagt agctgggact acagggtgcc accaccactc
20041 gtggctaatt ttttgtattt ttagtgaggaga ctgggtttca ccgtgttagc caagatgggc
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20161 atgagccacc gcacgcccgg attttttgtt ttttatatgt atcatgtctt tgttgttcct
20221 gttttgtctt tacttctttc tatttcattg aattaatatt ttctaataata gtatttaagt
20281 tttattaata attttatcac tgtattttta ttttagtggt tttctctagg attttctgta
20341 tatatcttat cagtatgagt ttcagattca cactagctta attccagtaa tatgtagaaa
20401 tgttactcat gtagaactta attctcttgc tcttttgttg ttattttatt tatattatat
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20521 ataacaccca catattaaaa ttgtatatat tgcataatg tattatagaa ttgtatatat
20581 tatagggccca atagtatat gtatacatgt tattttatat aattgttttt aaaatgagtt
20641 aagaaaaaag aaaaatgcat ttctactgtc tattatagaa aaataattac atcatactga
20701 acgtcttcac cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
20761 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
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21061 tgtatttctc attgtgagag aaatgaagca tcttttcatg ttttgagagc catctgtgca
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21361 tagctgatga gtgaaaagga ggcccagttg ggggttgac agaaaatgag gggcgtgggt
21421 aatagaggag gctgggcagt aacctggcag aaggcgccag aggccaggga aggtgcgctg
21481 gtgtcctgca gtgagaagga tgtgtgact atcaactggg taaacacact gctatagctg
21541 ctccagcgac agcaggcact ctccagaagg aactgagaaa aggggaatgc cagtttctgc
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21661 tttaaaattg tgaatttgat aacaaaagca gccactaaaa gacttggatg tagcaaaaca
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22561 ttttctttaa attctgtgat ctaataagaa gagagactct ttctctgtca ttgggaggct
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22681 ggtgaaatga gagcagaaat gtaggcagag gatgccaacg ctgtttccta tttcctaagt
22741 aaaactgagc agggcagaat ctccccagcc ctgccagAAC tcccttctc cttgggtccg
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22921 aggctttgtt ttgttacgag gctctgcct cctaccttca ggcttgtct ctcacatagg
22981 gcatgcaagg atggaatcgt taccacagag tacacttttt gacttggatt acttgtagtt
23041 tagtactgga gttcagaact ttaatttccc atcagaaacc tgccctcccg acccaggaca

FIGURE 2 (cont.'d)

23101	ctgaccttga	ttgggcacga	ttttccagat	aagaccttac	ctcctcccaa	caggggtttgc
23161	cttcccttca	gaatacagga	aagtacacgt	ggttccaaga	ggaccatgct	cttactaaga
23221	taaaagggag	gagggtgact	aggtactttc	ctctgctgcc	atcccttgaa	ggaagggggc
23281	ttccttcaat	gcctcatcag	ttccagggag	tatgcttgac	ccagcaacac	agaggaagaa
23341	gtgacctcat	agcaatgagg	ggcaagcatg	tggatattgc	tgggtatttc	ttcctcaaag
23401	tctacctggg	gacaggtgat	gaagacgctt	acttctctgc	aatacaccgt	gatcaggctt
23461	tggctcttcat	gacacatttt	agccttgccct	atgtgtgttg	aacagagctg	gtcatcctca
23521	gaaataaaaag	aagagagcaa	taagtacagg	aaggctttca	gtcccagaat	agtgttagga
23581	ctaaatgtca	gagaacaggg	ggactgtagg	agtttgggga	ccttagcatg	gataccctct
23641	caatctgctc	ccctgtggta	taaacagtaa	agcccattgt	actaaaaggc	cttgagtgtc
23701	tgtctctggg	gcaggtggag	ccagtgtatg	gtgccccgag	aggaggatgc	tggagagggg
23761	acagtgtcta	aggcagttgg	agaaaaagga	caatggctta	tgcagtcagg	cctagaagat
23821	gcaagggatg	tcacagcata	gtgtccacag	gcacccctag	atgtctttca	ttttgtttca
23881	ggaagaatat	tgacaaaggt	agtgtatggg	gggttatttc	aaggatgcta	ttttcatgtg
23941	tccaagtaaa	cttaagattc	ctaagaactt	tgacctctaa	tgcttttaaa	gaccgtgtac
24001	ctcatgcccc	tatgcacatt	cagttagaaa	ataaatgtag	attctttggt	gaattcgaag
24061	atgtgtcctc	ggagtggcac	agcgtgatct	cagtgtacac	atgaagcatg	ctgatgagag
24121	cttcttggat	cttgtttctt	caggtggact	tgcattaaag	tgtgtttgaa	tctctgcaact
24181	gggagtggga	gcagccatgc	gatgggtgcc	ttaatccgag	tgccatcctg	gctctctcca
24241	ggctgcttca	tttgctgtga	ggggtagggg	gaggaggagt	ttccaggcaa	tggccttatc
24301	tgttctggtg	gttgaccaag	ggtcgggggt	cccaaagggt	gagttccagg	atgagagtgc
24361	acccttgggg	atggtactta	gaaagagtgg	ggactaggcc	tcagccaggg	aatgggtggg
24421	caggggtggag	ctcctttgta	tcaaggagtt	agggccaagg	gccatgcagg	tgggcctgca
24481	gaagggtggg	ggtgatattg	cctttctggt	gataacagac	tcgtggcact	gttttctctg
24541	ggctgtttgg	gttgcatgga	gcagattctt	actcaggctt	actgtcttaa	ggagggaaga
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24961	ggctgtcccc	atggtgacgt	ggtctggact	cccttttgtg	tgaagagctg	tggcagggca
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25081	agagctctta	aatctaccag	ccttgtttgat	cttgggaact	aggagagagt	gctaggggaag
25141	ccagtgccag	caggcctgga	gcctcatatt	tctttggcat	ttgtatgata	ccttctagta
25201	cttcgttttt	tgacttatat	atgaactaac	tcaatttaga	tgtttagaaa	ataaacggcc
25261	actggacctg	caagagatta	gtagtgggtg	tccatagcct	tagacatttc	ttacactttt
25321	atccacagat	aagaaaaaaa	tagtgatatt	tgatttggtt	tggcaaggct	tagaaggatc
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25441	caccattcag	gagacagtgc	acacaatccc	cttggctctt	acctgaacac	tgaccacagg
25501	tctgtcattg	caggctggga	gtcctccgtc	agcatcagct	ccggctccgg	tgtcctcctt
25561	ctctcgcact	tctatcacgc	catccagcca	ggacatctgc	aggtaacact	ctgcttcaga
25621	tgtgtccatg	atcagtgtgc	agccagaaat	aagcattagt	gtctgtagg	tcttgaattt
25681	ccatttgctt	aatcaatctg	cctttggctt	aaacagtttg	cgagttttat	gtgtgggttg
25741	ctcaccaagt	tacctatgct	agtctcattt	cttactatg	atgtctattc	tcttttaaaa
25801	ttgtttttac	tttctgtgct	tttatcccac	tgttctgcat	gcagttccag	tgcagtgttt
25861	tctgagtgtt	gtcaccacag	ttccgtgcag	tctgtgtgtg	tctcgaaaag	tcctcactgc
25921	cagagttctc	tgacacaagg	gctcactgtg	acagttatct	gtaaggacac	attacaggcg
25981	tcaaagagaa	attccttttg	ttcagaatgg	gcccaggcct	tgaagcctgc	taagaatacc
26041	aaagccagaa	gaacactaaa	gttctcaagg	tccctcaatg	atgtgggtga	gaaggcgag
26101	gatacttcag	aaagttttgc	ctatgtggaa	agaacttgtt	ctgaagggaa	attaatactc
26161	cctcaagata	cgtgtctcag	aactaacagg	tttcatcata	aagaaaaaag	aaccctgaac
26221	cacaaacctc	ttggcaattc	caaacattct	tgtgtttcat	gcctttctgc	cggctcgctca
26281	actgcctcag	aggtggaagc	tggcaagggg	ggcaggcccg	gcctgctgct	ggaagagaag
26341	gcggatgggtg	aggccacgtc	ccgaagccgg	caactgctcc	agtacctgtt	ctcactctcg

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FIGURE 2 (cont.'d)

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26401	cacggcttga	gcgccagcag	cctgcacagg	ttccatgagc	tggagagctg	cgctgctcgc
26461	ctgcacactg	ccaagtcctc	cagcgggctg	gcagggaagta	tgggcttctg	ctctgacgag
26521	atgggagacg	acgatgtctt	tgaggacagc	acatctgcaa	aactgaagag	taggggtctg
26581	cgggcgcccc	tctgctccac	ggaaaaggac	agcgacctgg	attgtccttc	tcccttctct
26641	gaaaaattac	cccccatatc	tcccggtgcc	acgtcagggg	atgtctgcag	gttggtttgc
26701	caggaagtgc	cattctagcc	atctctgctc	gcacagga	cctcctcttg	ctttagtatg
26761	tgaagtttca	ggaaaatgaa	gtaataggaa	gttgtaacca	gttgtgggtt	gatggtttct
26821	tccagaagaa	tggagtatca	atatcgtttg	aaaaacttaa	tttttatgat	gtgagtccca
26881	agatagtttt	acaaatgata	aaagaggaag	aagctggctg	ggcgagtg	ctcacgcctg
26941	taatcccagc	actttgggag	gctgaggcgg	gtggatcacc	tgaggtcagg	agtttgagac
27001	cagcttggcc	aacgtggcga	aaacccgtct	ctactaaaaa	tacaaaaatt	agccgggcgt
27061	ggtggcgggc	gcctgtaatc	ccagctactc	aggaggctga	ggcaggagaa	ttgcttgaac
27121	ccgggagggc	gaggttgcag	tgagccaaga	ttgcgccatt	gcactccagc	ctgggcaaca
27181	agagtgaaac	tctgtctaaa	aaaaaacaaa	acaaaacaaa	aaaaaaaaa	ggaagaagct
27241	acacatatta	aaggccaagc	tgactcttct	aaactaaaaa	taagtagact	ttgcataaag
27301	aaactggaag	aaagaaacta	gtatcttcag	ttttccagcc	tgatgggtcca	gattttaagc
27361	attgttgcac	ctcccagcct	cttttttaac	ccttgctccc	tacctacccc	caaaaggtgt
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27481	acctatgtcc	cactctaact	ctgtttcccc	cctttatctt	cccttggtgca	gcactcctgt
27541	ctggcctcca	taattcactt	tttgtcatga	ctcttggtgcc	ctcctcattc	tgacctttct
27601	ccagtctccg	ctccttagtg	ccagctgtca	tcatttctaa	catttggtac	agagatcccc
27661	tcactaaaac	agcctgagag	cctggctcct	tccaggacga	gtgccccaac	ctgttctcta
27721	gctgctggaa	aagacccctc	tgtttcttaa	aagcctgtta	agttccttca	ggctagtagc
27781	tacaccttgt	tgcatacttc	cttggaata	gagagtgtt	tcaaattaat	ttctcactta
27841	ttgtcttag	tggtcccaag	aaaaagagat	gaaattgcag	catcttgtaa	tggtgagttt
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27961	tgtagtgtg	gggtatgaag	gtaaagtcag	tgattatagc	taaaaagcaa	acgtcattta
28021	aggtcactgg	tatttttggg	tgttggaatg	cagcgcttac	catccataca	agaacccgct
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28201	gggcagcggc	gtagtgcgcg	ggggcacaag	cccagccgc	ccggggcggc	gcgcggagaa
28261	ggagcgcaga	ccccgtgaac	acgcgcggag	accgtccgcg	cggcccgtcg	cgccactgcc
28321	tactgccagg	ggcggcgggt	gacgacaaaa	ccctcgggtc	gcccgcgcctg	gcagtccgcg
28381	gccccgcgcc	ccccagcggc	gcgacccgcg	gggcgcgggc	cgaacccggc	aaggtgagag
28441	ggcgcgtggc	cccgggcgct	gaccactatc	attctccgcc	acacggacga	aggcaggagc
28501	accacgggcg	gcgggcgggc	cgcccgcctc	ggccaaagag	cccgcgccgc	agcggannnn
28561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
28621	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnngag	ccgggcgagc	gcaggcgggc
28681	ggagagcaga	ccacgcggaa	gaggccgaga	gagaaagcgg	ggcaccgcgc	cgggggggtc
28741	atttacaagg	gacgctgggc	acgaaggagg	ctggggcgaa	gatgagtgca	gggggtgggt
28801	tgagagcgct	gcgcagccgg	gctgagaaga	gaagctgacg	agtgactccc	gacaagggac
28861	gggggagagg	gaacctgggg	gcaggcagag	gcctaggggg	tgggctctga	gggcagccac
28921	tcccaccggc	cctccccag	ccccgcaggc	cagccacatg	ccccgtgctc	cagacgaccc
28981	agctacatgg	atggcagcgt	cctgaagggg	gatgatcgg	agggagtggt	tgccggaggct
29041	cacgcctgta	atcccagtg	tccgggattc	ccgagcggga	ggatcgcttg	agccggggag
29101	gtggaagctg	cagtgatctg	cgccactgaa	ctcccgcctg	ggcggcagag	tgagaccctg
29161	tttcaaaagg	caccaggggt	gtagggaagg	agcgaatcc	cccaggcaag	gaagctgcg
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29281	ggaagggagg	gacgtagcag	caggaggaag	ggtgaggacc	caggctgggg	atcgggagaa
29341	gtgatggcgg	aggaaagaga	ggccggaaga	ggagggggcc	tgctggcctg	gcactggaaa
29401	gcaaagcgtg	ggtttgtata	tgggaagaag	accacatccc	ctcttatcgt	catcccaact
29461	cagaaaccat	ttggcccca	gtcaccaaa	cactcatagg	aaccactttt	cctgtgacac
29521	aagtaggatt	ctcccacttt	taacttccca	aatgctaccc	gaaagcctct	gaaatccttg
29581	gaaattttaa	aaataatccc	cttctattaa	ctgatgccta	taaaacatat	tgactttcat
29641	taaattttgt	tatgaaatca	gggatgtgtc	ccattgtaaa	ataaatttgt	ttggaaaatg

FIGURE 2 (cont.'d)

29701	taggggtggt	tcccatctaa	aaatcagacg	aggctagaaa	atttcaattt	tatttgctaa
29761	ggtagcatca	tgttggttaa	aatgcatcat	aaaataagac	caagagttaa	tacaaagcat
29821	gaagtcatgt	ttccctcaaa	aaaatgattt	gttctgtagt	caaattaatt	tggaaaacat
29881	tgcaaaactct	tcagcagtgg	ttctcaaagt	atagcttgcg	tcagaatccc	ctggggccct
29941	tgctaaaatc	tggatggcta	cactccccgc	ctagagtggg	ttaaactcag	tgccactggg
30001	caggaaactg	aaacttggct	gaagtcaccg	aggaggcctt	ccccgttaaa	cctctggctg
30061	gcgacagctt	ggtttccctg	ccgctgcttc	tgagtaattc	tggcacgcag	ttcctcctag
30121	ccacctgctg	tacctggaag	ggggccagcc	ctcctcagca	ggctttgctc	ctgccttgca
30181	cagcacaact	gtggcgtaaa	aaatggaaaa	gctggtagca	gaaggaaaag	gcagggagac
30241	agaggttagg	tgaacctcaa	tggcctcatt	aaagcaaatt	gagaaaagaga	gtttccttcc
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31021	ggggggaggaa	ggaggcagca	aggctgaaag	aagcttctct	gggtattcca	gtgcctgggt
31081	gctggtcgta	gccatggtga	gaccacagca	gcctccctgg	aagcaagcac	ctgtgtaaaa
31141	ccccctcctt	ccccacaagg	ggctggatcc	aagtgaagaa	ggtaccagaa	ggactggaag
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31321	ccctctcggt	cacctgcagg	ctccttggtc	atcctgacac	atgaggagaa	aaagacagta
31381	ctcaciaaagg	cctctagcct	tgtggcccca	ggaccctctc	ctgagcatca	tggcctccta
31441	ggagaccag	ggtagccagg	acaaaggaga	gaagcatttg	ctaagctaag	aaaggatgga
31501	aggggattgc	tgttctgcct	ggatgcaccc	ctagacctgg	cagggcaggc	caggagagacc
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31801	cccagccatg	ctccacctga	gaagtgggtc	caggcagagc	actgggtcct	ggccacctag
31861	ggctgcctcc	tcaggggtgg	gcaggaaggg	gagccactgg	aggagtgcc	cgggcacagt
31921	cccctgcacc	aggtgaggtc	acctcttagt	ccatgaggcg	atgctgcatg	agccctctg
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32161	tgcgcagtaa	gagaatggca	tagtctattg	ggacagccac	atcaaaatac	cacagaccag
32221	atggcttaaa	cggcagatat	ttgtctctca	caggtccgga	ggctagaagt	ccaagattag
32281	ggtgccagcc	aatccacttg	ctggtgaggg	ccctcttccc	agcttgacga	tgtctctgtg
32341	ttcccacagc	atggtcacgt	ggcagagaga	gggggacagg	gcatgaataa	gcccctgggt
32401	ccttctctct	cttacgagga	tgctaattcc	atcacgggta	ccccaccctc	gtgacctcgt
32461	ctaaccctaa	tcacctccca	aaggccccat	ctcctaattgc	catcacactg	ggggtcaggg
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32581	agcattccag	cctgaaggaa	acagatgtgc	aaaggcccaa	ggcaaaggcc	tgagctctga
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32701	aacaggctat	cttgttaatc	tcagtctttt	gtgtgccaga	gagagaaaact	gaggcacagt
32761	gtgtcatggt	gaacactggg	cagcactccc	acgtcctgt	cctgcactct	gcagggttat
32821	ggagggaagc	tgggaagtct	ctcccctctt	ttccaccttt	cctggaccca	tcccacccc
32881	tgcctcctcc	aggaagccct	ggggattgct	catacactca	catctcactc	cttagtacct
32941	gcagcctgca	ttctgaattt	agcaagctct	ggccttggtg	ttctattttc	ttgtcctgtg

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FIGURE 2 (cont.'d)

33001	cagtgcgcat	ttggaaactt	ctcctcagca	ccaaacacgg	agccatttag	cagaaaatac
33061	atgagttttc	aagtcaattg	aactgttcat	cgccccaaaa	gccaggcaac	acggtagagc
33121	agctggatct	ctgttcgtag	aagctttctc	agggactggc	ccaccgagtg	ggggactgca
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33241	attctggagg	gtactggcct	gtctcttcga	caggtgaggt	gcagtāgaac	agcatcccgt
33301	atagatgcca	gtttctgacc	tggttctgaa	aagccagtca	cctacctctg	cagagctgcc
33361	tggagggggc	gggggttggt	aggacccttg	agagcttggt	gtgaaggggc	tctgcagagg
33421	gaggcatggc	tagtgtgcgc	aaggtgacct	ctctcctggg	ctgcaggatg	gagaacctgt
33481	tcatcaaccg	cttcatgcac	atgttccagt	cttcttggaa	tgacttcgcc	gactttgaga
33541	aaatctttgt	caagatcagc	aacactattt	ctggtgagtg	tgccctctggg	ggcccaagtg
33601	gtgctgggga	caggggatgc	tgctctcctg	tctgatactt	gccgggaaat	tgacaagggc
33661	cttcctgcct	gctgcagcat	gggggcctcg	ctgccaccat	gccaccctgg	acagcaccct
33721	ctacactcca	caccttttac	catcactgtg	gtcacccttg	tgcccagagg	tttctcctcc
33781	tcagatattc	aagctcgagc	accctcaacc	tcattttcact	atcaaaaagtc	tcaaaaagtat
33841	cagaactttt	tcttggcaca	aatcaatcat	ttgtgcttct	gaacagagca	aaggcagaac
33901	ttggcttggt	ttttaggtat	ttacacaaaa	gcaactttgg	gttccttttg	actaggatgt
33961	gtttgatgag	agcactagct	tcatagtggc	cagtcagggc	atgggaagga	cgttaggaag
34021	gcaggaatgg	ctggacaaga	agaggtgctg	aaatcaggac	atggggaacc	aaacttgcca
34081	aactgcccc	agggactctc	ctccacggcc	tccttcttcc	atcctggaca	ctccatgctg
34141	ggctgaagga	cctgagtgct	ccaggaggct	tctgagccac	gaagggccag	ctcaggatag
34201	atgagttggt	gccacagcct	gaccagtgta	tgggcagggg	gcagcagttg	gagctgtgcc
34261	catccaggga	gcactcggga	gaggagacca	agcagggact	ctgctcttag	gtgaggtcag
34321	gagggccatg	gccctggctg	ccctctactc	agagctcagg	gtgggcctcg	gttttctcct
34381	ggtagagcgg	gtcatgaatc	actggcagga	agacctgatg	tttggctacc	agttcctgaa
34441	tggctgcaac	cctgtgttga	tccggcgctg	cacagagctg	cccagagaagc	tcccggtgac
34501	cacggagatg	gtagagtgc	gcctggagcg	gcagctcagc	ttggagcagg	aggtccagg
34561	aggggttgat	gggctgggga	agtggccaag	gtcacagtct	gtcaggtgga	agccagttcc
34621	tcctggccag	tgctcatagg	ccaccaagac	gctaactgca	ggcccatctg	gcctacagca
34681	gccgcttcct	tttcctggca	gcagtgctag	ccagggtcct	gggcattatg	cagactgtct
34741	tgtgaacat	cagaggagga	attgcgggga	atgtttctcc	atgatgctcg	agtctgggaa
34801	cataatgtca	atattttcac	tatcagtatc	aataattaca	ggagctacc	ttgattagg
34861	gcctgtggtg	ggacaggcat	tgtgacaggt	gctttacaca	caaggctatc	agttgtcacc
34921	caccttgcaa	aggggagaac	actggagaaa	gaagcagacc	ttgtgtgaca	atacacaagg
34981	ggcacgagga	gaacccaaca	gaatggttga	ttttctcggt	agaaatgctg	ctgcccctgc
35041	tcctgtcgca	ccctcctccc	cacctcacc	tgcagactca	gctgcctccg	gctgcaaggc
35101	tgacctagtc	ttgagacaga	agaagttcaa	accaactcca	cctggatctg	gtggggctca
35161	gcaacaggcg	ctggcccatc	agcctgcctc	ttcccccattg	atccagcgtg	atggggcctc
35221	ctgccaccca	ggccctgctg	cctatcccca	ggtgtccagg	tggcctctgc	tgcttccagt
35281	cttttgagct	cagcttaacc	tgaggcccta	gttggagagg	gatggttggt	gccctttaga
35341	gataaaccta	cagccccagt	acctggccca	cctgaatcta	gagggccacc	caccagctg
35401	aagtccttg	gcaagtctcc	tgccccagtg	caggcagtg	ttcctaacct	cctcctctc
35461	ctgcacccaa	ccaggcccag	aacacttcct	ggtcatgtga	acagctgaca	gttacaatcc
35521	cccacacact	gagagagcat	ctgtgttcct	gagtgagctg	aattgctaga	tgtagtaaca
35581	ttgatttggt	ggctataggt	ttcaaacttc	aagtcagaga	tcatagaact	ttaagccata
35641	tagaatccta	gaattggaag	actctgagca	gccatctctg	caccagcag	ccaaggagtg
35701	gccatcctca	gcacctggca	gggcatcagc	ctcccactgg	gagtcgccgc	cacctccagg
35761	gcacgtgggt	tatgagtcac	ctttcctttg	agctgaccca	cccctcactg	actagactct
35821	taaacacaca	ctgccccgtc	taatacacac	cagcatgatt	cttaatcccc	acagtcattc
35881	acgctgcca	tctggcagca	ccttaatgat	ctacagcaag	cttgtggcct	actaaaaacg
35941	cctccattgt	tttttaaaat	gtgcagttat	tttccggatc	atgaatagag	aaattgtatc
36001	cctgttggtg	gtattgattc	agtgttccag	ctcaagtttg	agttcttaga	ctttatattt
36061	ggattctttg	gtttcaaatc	acaaaaatca	actccatctg	gtttaatcca	agaactctat
36121	tggctcaggc	aacagtaaaa	agcaatgcta	actcatttgg	gaccagggct	cagatcatcc
36181	ctgcagctgt	ctctctctcg	ctccatgtct	caatcctctg	cctctggtga	tttttctctt
36241	aggagggttt	ccttatgttg	aggtaaaaaa	tgatcaccgg	cagcttcaga	tttaccttcc

FIGURE 2 (cont.'d)

36301	accagcttag	caaacaccac	ccactcccag	caagaaagac	cctgtttccc	aatgctccca
36361	gcagatgtct	taggccatcc	tcgggcctca	ctgattctgt	gagccagtgc	ccacggccag
36421	gagaatggaa	tacactgacc	tagaggggac	agggactcta	gacaggcaaa	aactccactg
36481	tcagaagcag	aatcctaaaa	tgtcagaact	gaaaggtagg	cccggcccctc	gttttccaga
36541	aatatgaaaag	ggaggcttgg	gataacagag	aaatgctgca	ggcattggcc	ccaaatctca
36601	ggcctcctat	tcccagtatc	accttcacca	gcctgggtgg	tctcaagatt	ggattagcag
36661	ccattccttc	tgggtagagt	ctgatggtea	cttcagctct	caaagtcacg	ctatccagcc
36721	atagtccctag	aaggcaagac	atcactgtgc	ccgaccaacc	caagggtctc	cacctgcccc
36781	cctcaacaca	aggtgccctg	agtgcctccg	cggggatagt	ccccgtcccc	acccctgctt
36841	ccccgcgcca	tcgcgacaga	tgctcagagc	tcatccctgg	tgtcacacca	cataaaggag
36901	gagggcggtg	gccaggctcc	gagctcctgc	cgctcctggg	gggtggcttc	tgctctgcgt
36961	gccgcggggc	agcccggggg	tcttgccgcg	gggcgcggtc	ggtggagctg	cagggggggc
37021	ctctgggatg	tctccaggca	gagtagatac	tgacccctcc	gcagccggga	ccctcacctt
37081	ttccttcatc	actcaggaaa	cagaaaaggc	ttcagaagga	gcggccatgc	ccccggccta
37141	agcgctgcgt	tcccggccca	gcaggcctac	cctgcacctg	gcgttcctag	gggcccctct
37201	gcgggaccca	ctgcgcggct	cgcagcggcc	tcggccctcc	cacttcaccg	gcacgctcgt
37261	tgctgtgcga	ggtgtgttga	ctcctacagc	aaagggcacg	gatccgcggg	tcagcaagcc
37321	cgacgaattt	acaccaatga	cccgccgtgt	cgccagtctc	agaccagggc	acaacacgcc
37381	aacctgtcag	accaccccca	cctcccagc	cactgcagac	ccttccccct	ctgcttctgc
37441	agcacctgtc	ccgaaacacg	ctcattcccg	ccccgcgaga	ccttccctac	ctcctggaga
37501	ccccctcaa	cccctgtaga	gtcccctgcc	cgtgcagaat	cccctcccc	ttcccccgca
37561	gccccctac	cccacccggc	ggacagcccc	gctcgcttcc	tgcttcttct	ccaagggaga
37621	ccctgtcct	ggctctgact	ggggttgagt	tcgccagttt	tgacttatgt	gttagctctt
37681	caccacgggc	tggaaagtacg	gtnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
37741	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
37801	nngagcgtac	ttcagcccgg	gtgaagattc	cttacacctt	atacaaaaat	taattcaagt
37861	tggattaaag	acttacatgt	cagacctaata	accataaaaat	ccttagaaga	aaacctaggc
37921	aataccattc	aggacatagg	catgggcaag	gacttcatgt	ctgaaacacc	aaaagcaatg
37981	ggaacaaaag	ccaaaataga	caaatgggat	ctaattaaac	taaagagctt	ctgcacagca
38041	aaagaaaacta	ccatcagagt	gaacaggcaa	cccacagaat	gggagaaaa	ttttgacact
38101	actcatctga	caaaaggcta	atatccagaa	tctacaatga	actcaaacaa	atttacaagc
38161	aaaaaaacaaa	caacccccatc	aaaaagtagg	caaaggatat	gaacagacac	ttctcaaaag
38221	aagacattta	tcgagccaaa	aaacacatga	aaaaatgctc	atcatcactg	gccatcagag
38281	aaatgcaaata	caaaaccaca	gtgagatgcc	atctcacacc	agttagaatg	gcgatcatta
38341	aaaagtcagg	aaacaacagg	tgctggagag	gatgtggaga	aataggaaca	cttttacact
38401	gttggtggga	ctgtaaaacta	gttcaacccat	tgtggaagtc	agtgtggcaa	ttcctcaagg
38461	atctagaact	agaaatacca	tttgaccag	caatcccatt	actgggtata	taccaaaagg
38521	actataaatc	atgtgtctat	aaagacacat	gcacacgtag	gtttattgtg	gacctattcc
38581	caagagcaaaa	gacttggaac	caacccaaat	ttccaacaat	gatagactgg	attaagaaaa
38641	tgtggcacat	atacaccatg	gaatactatg	cagccataaa	aaatgatgag	ttcatgtcct
38701	ttgtagggac	atggatgaag	ctggaaacta	tcattctcag	caaactattg	caaggacaaa
38761	aaaccaaaca	cctcatgttc	tcactcatag	gtgggaattg	aacaatgaga	acacatggac
38821	acaggaagg	gaacatcaca	cactgggcac	tggtgtgggg	tgggggggctg	ggggagggat
38881	agcattagga	gatataccta	atgctaaatg	acgagttaat	gggtgcagca	caccaacatg
38941	gcacatgtat	acatatgtaa	ctgacctgca	cgttgtgcac	atgtacccta	aaacttaaa
39001	tataataata	aaaaaaaaata	aataaaaaata	aaaaataaaa	gaaaatgaag	aaaatcatgt
39061	catttgacgc	aacatggatt	tggctagagg	actttatcct	aggcaaacaa	atacagaaac
39121	agaaaatcaa	ataccacata	ttctcactca	taagggggag	gtaaacactg	ggtactgatg
39181	gacataaaga	tagcaacaat	agacactggg	gactattggg	gtggtgaagg	aggggaaggga
39241	gaaagtgttg	aaaaactgtt	gagtactatt	ctcagtatct	gggtaatggg	accattcata
39301	ccccaaacct	caacatcaca	caatatacc	aggttacaaa	cttgacacaa	tgccctctga
39361	atctaaaata	aaagttgaaa	aagcaaaaat	aaaacagtaa	acaacaacaa	caacaaaaca
39421	gcaaaacctt	caataaatac	ataaaataaa	atataaataa	atgtcttttg	cagagctttt
39481	tgttttttgt	gtggctttga	gttagtatct	ggggtcacgt	tgcttttaag	ctgttttgcta
39541	tcaactgcat	cctatctaat	atttcttttt	cttaatagta	aaccactcaa	tttttgtgag

FIGURE 2 (cont.'d)

39601	gagatattac	attgtggttt	tgattttacat	ttctcctaag	atttcctttc	cagtttggat
39661	gctgagcatt	ttttcttatg	ttttttgccc	attcatatat	aatttttaaaa	gaaatgtcta
39721	ttcaaatcct	tttgccattt	taaaatcata	ttatttttaa	atattgtggt	gtagaaatta
39781	tttatatatt	ctggatatta	actctttatc	agatatataa	tttactaata	ttttcttcca
39841	tccacaagtt	ttttttaaca	ttgttatgtc	ctttaatgca	taaaagtttt	aaaaagtttg
39901	atgtagtccc	aattgtctat	tttttctttt	gttgtctgta	cttttggtgt	catattaaaa
39961	aataattgcc	atatccccct	attctaagag	ttttatagtt	ttagatcttc	catttaagtt
40021	ttaaatccat	tttgagttaa	ttcttgata	tggcataaga	caaagtttca	acttcactct
40081	ttcatgtgtg	gatatccaag	tttcccaaca	ctgtttgttg	aagagaatgt	tcttccctca
40141	ttgagcggat	ctggaatgct	gtaaatatta	tttgaccata	tatgtggagt	tttcttttaa
40201	tgggttcttt	attctattcc	attggtctat	atgtctctct	ttaagccagt	gtcatgctgt
40261	tttaattact	gtagtcttgt	aacatgtttt	gagatcacgg	agcatgagac	cttcaactca
40321	gttagttttc	aagattgtct	agtcagagta	tatatgaata	tttagataaa	ttttctctct
40381	ttttcaaaaa	atgcagctta	gattttgata	gggattacat	ataatttgta	gactgctttg
40441	ggttctattg	acttttcaaa	ttaatacata	atgttgtaca	gattttgggga	atacatctga
40501	tatttttgag	atcttaacat	taaatcttcc	aatccatgaa	taccaatgtc	tttacattta
40561	tttgtgactt	ctttcagtag	tgttttgtag	ttttcagtg	acaagccttt	tatttccctg
40621	gctaagttta	ttcctaagta	ttttactatt	tttgatggta	ttgtaattaa	attattttct
40681	taattacctt	tggattgttt	atagttaatt	tatagaaagg	caactgattt	ttgtgtgtcg
40741	attttggtac	ctgcaacttt	ccagaatttg	tttaatagtt	ccaacagttt	tctggatttt
40801	atgcatatat	gcatactaaca	gttttctaga	ttttatgcag	gagtctagga	ttttatgcat
40861	ataggatcaa	gtcatctgtg	agcagagata	attttacttt	tttcttttat	tctttggatg
40921	tcttttcttg	cttaattttt	ttttccta	tggctctgct	ggaaattcaa	atactatatt
40981	gaatagaagc	gaagagacag	agtatacttg	tcttgttcct	aatccagaag	aaaagtttga
41041	atctttttacc	attgagtgta	agtttacctg	tggatttttc	atataatggc	tttattatgt
41101	tatttttctt	ctattcctag	tttgctgagt	gttttcgtga	taaaagggtg	taaattttgt
41161	taaacatttt	ttctacatca	atataaatga	tcatgctgtt	ttgtccttta	ttctattact
41221	atagtgtatt	acattgattt	ttgcatgttg	tattattctt	tttttttgag	atgaaatctc
41281	attctgtcat	tctggctgga	gtgcagtggc	atgacctcag	ctcactgcaa	catttgccct
41341	ctgggttcaa	gggatttctc	tgtctcagcc	tcccaaagtg	ctgggattac	aggcatgagc
41401	cagcacaccc	tgccacatgt	tctatcattc	ttgcattcca	ggaataaagc	caacctgatc
41461	atcacaaaata	ttggctgtga	gttttctttt	catgtaatgt	ctttgtttga	ttttgaaatc
41521	agggttaatac	tggcctcata	taatgagctt	tgaagtgttt	tttatattca	tttttgtaaa
41581	tgactttgag	aaacattggt	tctaattctt	ccttaaatgt	ttggtagtca	tccggttctg
41641	ggctgttgtt	tgtttgagg	tttttgaacc	agtttaatct	ccttcgtagt	tataagctcg
41701	ttcgtttttt	ctacttcttc	atgattcact	cttattaggt	tgtatatttc	tagaaattta
41761	tgcacttcta	aattatccaa	tttgttgaca	tataattaac	tgttgatggt	attttcttat
41821	aatccttttg	atttctatgg	catgggttct	aatgttctct	tttttatttc	tgatttatta
41881	gttgaatctt	ttttccttag	ttaatctagc	taagcatttg	ttaattttgt	tgggttttct
41941	aaaaaccacc	tcttagtttt	gttgattttt	ttctattgtt	tttatattct	atatttcatt
42001	tatctctgat	ttaatcctaa	ctttaggatt	ttcctccttc	tgctagcttt	gggtgtagtt
42061	tttttctctc	cctagtttcc	tgaggataaa	agttagggtg	ttgatttgca	aactttcttc
42121	tacttctttt	tttttttttc	ttaagtgttg	gagatgggg	cttgctttgt	tgccagggt
42181	ggtctcaaat	tccctggcctc	cagaagtctc	cctccctcag	cctgtcaaa	tgtctgggatt
42241	gcaggcatga	cccaccatgc	ctagccactt	tcttcccttt	ataatgcaca	tatttatagc
42301	tataaaattc	tctgttagca	ctgcttctgc	tgcattctac	acattttggt	acattgtatt
42361	tttatttttc	tttatctcaa	gatattttct	aacttccctt	gtgatttctt	ttttgacca
42421	ttgcttggtg	aaaactgtgt	tgtttaattt	tcacataatt	gtgaattttt	tgttttctct
42481	ctgctactga	tgtctagtgt	tatgtcattt	tcatcaaaat	agatattttg	tataatttca
42541	atctttttaa	atttgttaca	agtttttttg	tggataaaca	tgtgatttat	ctttgggaat
42601	attccatgta	aacttgagaa	aaatactatt	ctgattttat	tgggtggaat	gttctgcaca
42661	tgtttggttag	cactatttat	agtgttggtc	aagtactgta	tttcttcttc	gattttctgt
42721	cttggtgttc	tagccattat	tgtaaagtga	gaattgaagt	cgccctaccat	tattatgctg
42781	tttatgtttc	ctctctgatc	tgtcaatgtt	tgtctcagat	atttaggagc	tctgggatta
42841	gaggtatata	tatttgtaat	tgttatatct	ttctgctgaa	ttgacttttt	gttatataat

FIGURE 2 (cont.'d)

42901	atccattttt	ttgtcttgtg	actatttttg	actttaagtc	tattttgttg	gatagtagta
42961	tagtcacttc	tgcttgcttt	tatttaccat	ttgcatggca	tttacttttc	ctttttttca
43021	ttttaagcat	atttgtttct	tagacctaaa	tgacaggata	aagttggatc	ctttttacaa
43081	atccattttc	cagtctatat	cttttgattc	aggagtttaa	tccatttaca	tttaaagtaa
43141	ttactgatag	ggaaggacct	acacttgcca	ttttgttggt	tcctgtatgt	tttgtaaatt
43201	ttgtttttta	ttccttctct	tactgacctc	ttttgggttt	tgctgatttt	tttttgtggt
43261	gacattttga	ttcccttcct	gtttcctttt	gtgtgtattc	tatagatttt	tttatggtta
43321	ccataagaat	tataaaaaac	atcttaaagt	gttaacaagc	tattttaaac	tgtaagaga
43381	ataacttcga	ctgtgtacaa	aaactatttc	ttcaaagctc	ctaccctcac	cttaggttac
43441	ttatgtcaca	agttacatct	tcatatgtaa	tgtattcatt	aacacagttt	tatagtattt
43501	tttaagcttt	tgtcttgtaa	attctataca	agaattaaaa	gtgcatttat	gtacaaaaac
43561	tgcatagtac	agtctctata	tatgtccata	tatttatctt	tactggagag	ctttatatatt
43621	tcataagact	tcattgttact	atttagcatc	cttttgtttc	aacttgcaag	atactacagc
43681	aggteccagt	gtaatgaact	ccccagtttt	tgttcatcct	ggaaaggctg	atttttcctt
43741	tatgtttgaa	ggatggtttt	gctggatata	atatttttgg	ttgaaatttt	cttttctttc
43801	agctctttga	atatattatc	cccctgcctt	ctggcctgca	aggtttctgt	tgataaatcc
43861	actgataatt	ttataaaggc	ttcctttttac	atgacaagtt	actttctttt	gctgctttca
43921	agattgtctc	tttgtctttg	actttttgaga	gtttgattat	agtgtgtctc	actgtgagtc
43981	tctgggtttt	ctttaacatt	ttttttttgt	tcatatcttc	tgatgatgaa	ttcctttaac
44041	ttttatatatt	gtgaaatggt	ttttcttcat	tttcagaagg	tatttttagt	gagtgtaaaa
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44161	ttgtactgat	tgtatagaaa	ctctgctgta	attcttatct	ttgtgtcttt	gtacttaatg
44221	tgccctttta	ctctgcctgt	ttttaagatt	ttatttttat	tattgatttt	gatcatgtgg
44281	cttgggtgtg	gtttcttcat	atttatgttg	cttgggggttc	attgagctta	taaagtctgt
44341	aggtttatat	ttttcattac	atttagaaaa	attgtagcca	ttattcattc	aaattttttt
44401	ctgttcttct	cccattttct	atgcccttat	gggttcta	tatatgtata	ttaggctatt
44461	tgagggtgtc	ttacagctca	cttacagttc	ttatgtttat	ttttccactt	ctatttcatt
44521	tgggcagggt	tattatactt	ttccctaatt	tgctaatttt	tttgcaatgt	ctaateccact
44581	gttaatctca	tccaatgtat	tattaatttc	agacattgta	gttttcatct	ctagaaattg
44641	ttcatctttt	tatatcttct	ttgtctctat	ttgatatgct	aagtcttttc	tctagcttct
44701	tgagcatatg	aaatatagtt	atgacaacta	ttttatttta	ttacaacttt	taccttaggt
44761	tcagagggtac	atgtgcagggt	ttgtttatga	ggtaaaactog	tgtcacagga	ttttgtttat
44821	tatttcatac	ctcagggtact	aagccctagta	cccaatagtt	gtttttctgt	ttctctccct
44881	tctcctaccc	tccaacttca	agtaggcccc	agtgtttatt	gttccctctc	ttgtatcact
44941	actattttaa	tgtctctact	agttctctta	tttttgtcat	ttctgagttg	attttatatt
45001	tctcactatg	gccatattct	cctacttctt	tgaatatctg	gtatgcaaat	tataacctagt
45061	atggatatta	tatcaagacc	ctgtcgcaat	atggataacct	aaaagaaaa	aacaatggtt
45121	accagtttgc	tctaagcctt	tcttagctct	tttgcttggt	tctcaagaac	aagcacagag
45181	ggtggagctc	aaccaagact	gaagttaaag	atgtagaaa	attgagatgg	gaagtaatta
45241	agttgaggag	ctctgataca	atggtatttc	tctttttaat	catgtaagat	gcaagcccaa
45301	gataatatgt	tgggaaagtt	gaaggcgaat	gtcttgagaa	atatgaaatg	cacccaaggc
45361	tatggctggg	tgatagaaat	aactaaaaag	ttttaaaagg	attgttttat	agctggtcct
45421	tgctgagggt	aggggatagg	cctggaaaaa	ttgagcagtg	gtattgccc	ggcaggactc
45481	ctcatgacat	tctccagatc	cctaagtttt	tccaagtttc	caagcatttc	cttggccagc
45541	aagtcactct	gcagcacaga	tcctactctc	tttcagtcag	tcattccaca	actctacaaa
45601	gcaattttct	ccatcaaagt	ggaacttttg	gggttctgca	taatttttca	gggttccacc
45661	acttttgact	ctttctggat	accttgtaag	gatattataa	ctctttaatt	cagtgccttg
45721	attttctctt	ttaaactttt	atactgttca	ttgcctgttt	acctctttca	ccctcttctt
45781	ttcaactccg	ccctctttct	tgtgtaagta	tataatcatc	ctttttttct	tcctcgaatc
45841	tcagttctcg	ggagtaacat	atacaattca	ttcttacttc	cagtctttta	ttcctaagtt
45901	ccttatctct	agttctcttg	catatttgtg	gcaattatta	gtttttttcc	aaaaatccat
45961	tctccctttt	tcctgtacat	gtatctttcc	agcttgacca	catttcccag	cttccctggc
46021	agctagggtga	agcaatgtaa	ctaaaacttt	gcctgtaaaa	tatgagcaga	agttatgtgc
46081	acaatatctg	cctcacttgc	ttaaaataaa	ttgtattatt	tgagctttct	atattgtccc
46141	tttttacaac	taaaatgtag	aggttatggc	aacttttatg	gtaaagagaa	tcatcacgta

FIGURE 2 (cont.'d)

46201	ggagatcaag	aatcattgat	ttgagaggaa	cctaaatcct	ttaatgactt	agtggagcaa
46261	gactgcccc	tcagtctgga	agctaccccc	caacttatgt	atatcttcag	attgttgagc
46321	aaaagagaaa	aaatgaagcc	actatatatt	taggtctctt	catgttaaca	gtttagcttt
46381	taacctaa	cacatttatt	cctgaatgg	agcatattat	taacatcaca	ggaagggaat
46441	tccttgttca	tggatctttt	attttggtga	aataaaggta	atctgcttgg	gcttaatact
46501	gccaaggcag	aatttttttg	aataattatt	tctatagatg	acccattcat	aatgacaact
46561	aacatggttt	ctaaaatgga	ttcatgtacg	tcactttatt	tagtccccgc	aaaaattctg
46621	aaggtaggta	taattattcc	cattctatat	attgaaaaat	tgggattcag	agagactacg
46681	gacttataca	agtttctgca	gctatttaag	aaacagagta	aagtctcaaa	gccattaatg
46741	aactgttttag	tttagtgctg	cttagtaaaa	ttagaactgt	ttgaagtgcg	ttttaatagt
46801	aaacccatcg	atattttagtc	agctctctgc	ttgctaacta	atatggaaga	aaaaacatac
46861	atctacgtac	atcctgaatt	gggagaagg	aaataaaata	ttgccaatcc	cctttcctgt
46921	attaggtact	gtgataaggc	gataaggctt	ttcattatta	taaatgagtc	ctggagaggt
46981	taagcgagtc	cacccaaagt	cacatgacca	gtaactttca	gagattttac	cccagggtctg
47041	gaaagactct	gaagcccatg	ttattgcctc	cagagcctgg	tggagaaccc	ctgaatggga
47101	cagagactac	gcagacagag	tggctccttc	cttcaggga	gtcagggaag	gtttggtagg
47161	ggagataag	ttagatctgg	gtgggatttg	gatgaaatga	gatcaagcag	ggataaataa
47221	gatccaagct	gtttatgagg	gacagggaga	ggccagctct	gttagaaaga	gtgggtttata
47281	cagagaagca	tggaaacatt	tgctccatgc	ctcgccctcc	atggatagca	gtccagaaat
47341	gctacttgcc	tgctgacag	tctttctcca	gtccccaggt	gtggacacgt	tctgagcacc
47401	tgagcctggg	tctgccctga	cccagattct	gtgagctggg	acagagaatg	tgtcctgctg
47461	tcctctctcc	cccacttggg	cccacaccct	tttctacaca	tttggattag	aaatctgaat
47521	tggcctttct	gtgaacccca	atgacaggca	agtcctccag	aaagaagcac	ttaatttaat
47581	tgctccttca	gggtccactt	agagtaatag	ttgtgaacag	ctctccctag	tgtctccac
47641	aggcagtgac	aaatgttgct	aaagataagt	cacaaattct	tggcaaggcc	atcttaataa
47701	tgggaaggaa	accttggttca	gtcctgaaca	gtcctgttca	gactgatctt	atcacagggt
47761	gcacactgcc	tcaatgtcac	catgtttcta	ccctcagttg	tgcttggcag	agagaggaca
47821	gctatacata	aagtctgttc	actctacaaa	ggtgaaatca	ttttttttaa	ggtaattatg
47881	attgtttctga	ggatgggtgat	tgagtgcac	ttaaaaaatg	ggaaaagttc	tactcataac
47941	tctgtctgct	taatttgctt	atataaaaaga	cttaatgggt	tttgttgagt	tgatccagag
48001	tcagtaacat	ttgaatatgt	gtttattacca	tttgatcagt	aacaaaacaa	cagggttaagt
48061	gggatgccaa	atgtggctga	gagtttaggg	tttacattcc	acacccacgc	cttaaatatg
48121	tttgtataaa	ttattgggtg	atttttcttt	ttcatggctt	ttctttgaca	tttgatgggg
48181	ctggatttat	ggaggcaacc	aacaaattac	acagcaatga	attctggact	gtagtccac
48241	agccttgagc	ctagatacta	gctgtgtcac	taataactctg	tgtgaccagg	gtaagttatt
48301	tagatacatt	tatgactttc	caaatacaata	ggttggaaca	agttatcttc	aaaatgtctt
48361	tcagatttga	ccctgaacat	atgcgattct	ggcatgttct	gatttttagt	tttctgttct
48421	tgaagcatgt	ctacaataga	aatgcctacc	ttcatatata	ataaaaaggac	attagattaa
48481	tatggtgtct	gtgaaaatca	ttgaacagct	ttagagataa	aaataatgaa	atgagtcaag
48541	ttctccatta	ttaattaaat	cttttaaat	ttctgtttat	gaaactatga	acaataaatt
48601	ggaacaaaga	tataatctca	ctacaagtaa	attgtatttt	atgtaaaata	taatttgtct
48661	ttagaaaata	ctcaatgaaa	ttaccttttt	aatttcagag	attttgagga	ctattattgt
48721	tatttcttta	aagtgcataa	tgtaatccaa	gatgcctttt	ttcccccttc	agaagcttga
48781	gtgccccagg	gtttgataaa	tgtggaaaat	aaccgctgtt	cgaatatcct	gttggcctgc
48841	tggtagatg	tcacgtgtt	gtctgaatgc	agtatgtgtt	taaacttgcc	atttattacc
48901	tgaattgtg	ttattttgcc	tcataccctt	agtaatactc	ttgtaatgct	ggctgagaat
48961	tgaagcaaat	gccctatgaa	actcaaggga	gcaaggctct	tgttattttt	cagaagaaat
49021	gactggctga	ggctgtaaag	aaatcttgtg	gtcattctca	tggaaagagg	attggagccc
49081	cgattctttg	atctcattat	tgaccagttg	attgagaaga	ctgtcctcct	gtccccaccc
49141	aatcacataa	agtgggtaat	tacctgagg	ctaatttgct	ccttgaatgt	gaatacattt
49201	gtggaaattt	ccttgtgtct	agcacctgtt	caaaacatcc	atttgtattg	cagagctatt
49261	gtttttctaa	tctcattgtg	gagctaagag	agagattgtg	tttaagggtt	ccttcgtaat
49321	aggttttctt	gtccaggaa	ggatgcgtga	cagactctgc	acactgctgc	ttggtaggtg
49381	ttcagtgatg	gatgcgtttt	ccatctccca	ggtacagctg	cagctgtgct	gactctggtg
49441	cgtttgtaat	atgcactgtg	gagtgaccca	tgatttcatg	atggctggag	aaatctggtg

FIGURE 2 (cont.'d)

49501	gctagaattc	tagggaggag	gacatgagtc	ggaagtgcag	aaacctcaca	ctgggacatt
49561	gatggagaaa	atccaattct	gtccctggag	ttaaagagga	gtcactcact	gggccatcat
49621	aagagcaaat	aaagttacag	ttatttcttc	agatccacaa	ctcaaactca	gcgaaagtaa
49681	ttatttcttc	tttttgtccc	aaacaataat	gaaatcagct	aaagcatatt	gtattttatta
49741	cttccactca	agttattgag	ctgttctgac	accttgttgc	tgggaagata	cacagatgga
49801	acaccatcat	ttccattgat	tctgatcata	ccccacgcta	atatagcctt	attgctctga
49861	gtcataggga	ttttatgctt	gcctattcaa	aaaacagttt	ttaccttatt	aaaaggtgat
49921	atgacctgag	ctggagatga	tgtttggtca	ttttgtgtaa	accttttaat	attttagtgg
49981	taaatacatt	tcttgaatct	tgacaaaaac	ataattaaaa	tgaacatatt	taaaatggac
50041	atcttccaaa	tgttcatttt	taaaaaaaac	atcttccaaa	tgttcatttt	taaaatgaat
50101	atcttcggtta	actttttttt	ttttttttga	gacggagtct	cgtctgttca	cccaggctgg
50161	agtgcagtg	cgcatctcg	gtcactgca	agctccgcct	cccggttca	cgccattctc
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50281	ttgtattttt	agtagagacg	gggtttcacc	gtgttagcca	ggaaggtctc	gatctcctga
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50401	gcccagcctc	ttccttaact	tttaatgaat	aaagagtga	aaaggaaaaa	cctaaatgtgc
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50521	tctgtctgta	ttcatactag	cctattcttt	agcattattt	aaacacacat	atttgagtgt
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50701	tgtgtactag	gatagaagtc	agtatcagag	gaaacacaaa	ggaaagagt	gtactttctc
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51301	aatatttttt	tcattttttt	ctttttttta	aattaaaaaca	attttttttg	agacagctctc
51361	actctgtcgc	ccaggctaga	gtgcagcatc	gtggtctcag	ctcaccgaaa	ccttgccctcc
51421	cagggttcaag	cgattctcct	gcctcagcct	tccaagtagc	tgggattaca	gacatccacc
51481	accaccgtgt	cagggttaatt	tttgattttt	tagtagagaa	tggggtttca	ccatttttga
51541	caggctggtc	ttgaattccg	cggatccttc	tatagtgtca	cctaaatgtc	gacggccagg
51601	cnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
51661	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nagcgtattc	gcccgtggtg
51721	aagatcgtag	tagagtctac	cacctcgcc	gtgaacctgg	ctcagggggc	gcagccgggg
51781	tgggcgaccc	agccaggtct	gcggagcgtt	gcccggcggc	aacccctca	cggacgtgg
51841	gaactcccca	ccccgtcccc	attcagcgtt	agcgggtggg	gggccaggcc	cgccccaggt
51901	agtcaggcag	gggtcccggc	tcctcccca	ggaccaccgc	cccggggggc	ctcacgtcct
51961	gatggcttcc	cacaccagga	gcccgtcgtc	ccggtagaag	tagtagggga	tgtcttcttt
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52201	ggaaatgtgc	caggggaggc	gaggagccca	ggcaggcaga	ggtgcaagcc	cttgcctgt
52261	gagatggggg	agggatgttt	aacgcagaga	atgacaaggg	cagccgggtg	gagaggtgct
52321	agggaggagc	ctcccgccca	atccaatgca	agggactgaa	ccgtggggct	gcagagtaca
52381	agagggaagg	gtgcgctccc	agccacagga	gggcagcagg	cgtgggcagg	tgtgtggggg
52441	acccagcac	cagcgggcct	gggctgtgaa	gtctgctcta	gtgctgagca	cacgacctc
52501	agtcatttgt	ctcagtgacc	ctcagtttcc	aggacccatg	caactctgtt	gagggcctgt
52561	tgtgtgctca	ggtgagggct	ggagagaccc	acaaggaggg	atcctggtcc	tgatcccgat
52621	ccggcttctc	gagtgatgca	gacacatca	caagctcact	ggcacatatg	tgtgtccacg
52681	tgacacaca	cacatgcaaa	tacaccagg	gggctgggct	gtcggtgcca	cagaggtttt
52741	gaagaaggac	ttgggtgctg	gggtgccaga	gattggtcca	cgggtgggcat	tcagcccaag

FIGURE 2 (cont.'d)

52801	caggaccaac	cagagctgcc	ccccagcact	ttctgttttag	atgcggtctgg	gagataatgg
52861	ccacatgaga	acctgaggtg	gagctactat	gatgagctcc	tgtgccctct	cccatggggg
52921	cctgtctgca	gcaggagagt	gtgatgccaa	cacaggtgaa	agagacagaa	agaggagacc
52981	agtgtgcatg	caccttgggg	cattgtctga	gtccctggat	ccatttctgg	ctgaggcccc
53041	cgacctctta	ttgtgtccag	gtatttgaga	taaggcatgt	cttgtccagc	tgcagctggg
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53161	ctggtcacta	atgggctggg	gaaaggagga	agggttgggg	aaggggccat	gtgagagtcc
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55441	ctgcctcctc	aatcacctct	taatgccaga	aaataaaatc	cccaagctct	gtggtgacct
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55981	atattaataa	aaataaaaag	aaacaggtga	aatgccgggtg	aataatataa	ttttatttta
56041	cccaatatat	ccagaatatt	atcacttcaa	catgaaacca	atctaaaact	attaaatgag

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FIGURE 2 (cont.'d)

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56161 ttgcagcagg ttttggtttg gacgagccaa atcccaagtg ctccagagcc ctggtggcca
56221 gtggctccac cctggtcaga gagaccccag aagcctcagc actccctgag gaccaaggag
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56461 cgctcttgtc ctttttacag agtcccagct ctcagggtcc ccactgccac acccgtttgc
56521 atgagatgcc tgggccactg atacctgatc tgtgccctag aatgctgggc tgccctggcat
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57301 gagcacacct gaataatgga gagaagcaat ttttattcct tacgcagctt gtccctgcta
57361 ccgtgtcctg tctccattgg ctggagccaa acctcacagt ctaaaactaa acccgactgg
57421 ctaataactt aaaacttttc taaataggtg aaagcagtgg aaagacaaag gaaaagagga
57481 agttgcttat gaaaggactt agaaaagtta taacatttcc aaataaggaa ggggcattgg
57541 ctgcaagctg ggacatgcct gtgagcagct ccagcacaaa tatcttgggt aaagtacaag
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57661 agttatttag acaaagcgaa aaggcttaaa aaaagttagt ctttagaaaa aactattatt
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57781 caaaatcagt gtacaaaaat cagtagcatt tctttttatt tgagacggag tctcactatc
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58381 catttttcac agaattagaa aaaaaaatcc taaaattcat atggaaccaa aaaatagccg
58441 aatagccaaa gcaatcctag gcaaaaaatac aaagctggag gcatcacatt acctgacttc
58501 aaactatact acaagactac agtaacaaaa acagcatggt atactggtac aaaaataggg
58561 acagagatca atggaacaga acagagaacc cagaaataaa gccatatacc tgcaaccaac
58621 tgatttttga caaaatcaac aaaaataaac aataaggaaa ggacatccta ttcaataaat
58681 agtggttgaa aaactggcta cctatatgca gaagaatgac gctgggcccc tacctctcac
58741 catatacaaa aattacctct agatggatta cagacttaaa tgtaagactt caaactttaa
58801 acattctaga agaaaaccta ggaaaaaatc ttatggacat tcctaggcca aagaatttat
58861 gactagacct caaaggcata tgcaacaaaa acaaaaattg acaaatgaga cttaatcaaa
58921 ttaaagagct tctgcacagc aaaacaaact atcaacaaag taaacagaca acctacagaa
58981 tgagagaaaa tatttgcaac tatgcatcca caaacgacta ataccagaa tctatgagga
59041 acttaagaaa aaacaccacc attaaaaagt gggcaaagga caggaacaga cacttctcaa
59101 aagaagacat acaagtggcc aacaaacata tgaaaaaatg cccaacatca ctaatcatca
59161 gagaaatgca aattaaaacc acaaagggat accagtcaga atggctatta ttaaaaagta
59221 aaaaaatgac agatgttggc aggatgcaga caaaagggaa tgcttacaca ctgttgggtg
59281 cagtgtaaat tacttccatc cctgtggaaa gcagtttgga gattttgcaa agaactgcaa
59341 atagaattac cagttgacct aacaacccca ttactgtgta cctacccaaa ggaaaagaaa

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FIGURE 2 (cont.'d)

59401	ttgttttacc	aaaaggacat	aggcacacat	atgtttattg	cagcactggt	cacaatatca
59461	aaatcatgta	atcaacctag	gtgcccacat	atagtggcac	cagataaaga	aaatgtgata
59521	catgtactcc	aaggaatact	acatagccat	aaaaaagaat	gaaatcgtgt	tctttgcagc
59581	aacatggatg	cagcttagga	ttggcactta	agccataatc	ttaagtgaat	taaccagaa
59641	acagaaaatc	gaatactgca	tgttcttatt	tataagtggg	agctaagcat	tgtgtacaca
59701	tgggcataaa	agtgggaaca	aaagacactg	gggactccag	gaaggggagg	gagggaggaa
59761	aggggttga	aactgggtat	tgggtactat	gctcagtatt	tgagtgatgg	gttcaataga
59821	agcctaaccc	cagcattatg	caatataacc	atgtaacaaa	cctgcacatg	tacctgaatc
59881	taaaatttta	tatattaaaa	aaaaaaaaaac	tgttctgacc	agtaaaaaaa	gagctgaatg
59941	aggatggg	cagtgcctcg	cctatttcag	cccatcactc	tcccttctgc	ttctcttcac
60001	ctcccggcct	gaccgggcct	cacctgccca	tctccttgag	ctcttgatcc	actgagctgg
60061	gccttcccca	acccatcctt	cacatcctcc	cactcctgtc	caggattttg	gcctgccatg
60121	ggatgccaga	acttgccctg	agcaatttgt	gtttcttaaa	tttgtttttt	gggtaaggaa
60181	gtagctttgc	gtttctgatt	agaaaagaat	atgtgcttat	cgtaaaaaga	aatctgagtc
60241	atgacaggag	agcctgagaa	agaaaacatc	atctcatctt	ccagcgccca	gggataacca
60301	ccaaattctg	gggagcctcc	tttcataggt	ctttgcatgt	gtgcacattt	atctgtccaa
60361	ttttccatca	actgaatatg	attataatca	acatctgtct	ctttgttttg	ctcacctgtc
60421	ccccactggg	ccatcactgt	gttcctacct	ggtgacactg	cgtccttggt	tccccctgct
60481	ggcacagtag	gcctgctgca	tccttgcat	cattttacat	aagtgagacc	atgccattg
60541	ccttagcagt	ttgaaggagc	tatttgata	cgacagatat	gtatccttta	tcgggtccct
60601	gtgtcttggt	tttccactgt	taactcattg	tggagacccc	tccaggtcag	ctggaaggga
60661	accaaagcat	tcctttcaaa	gacgcctcaa	cattttatgg	tgaggacatg	gaagggctca
60721	ctcactcaat	cctcttctgc	cttcagactg	ttttcaattt	ttttcccat	cacaaactat
60781	gctcctggtg	ctaccacac	acatttgtgc	tttcatttct	gctgagtggc	tgctagcgaa
60841	ggctgagcct	tgggggtttg	ggtatgtttt	cgagtacaca	gtgcctgccc	tactgttctt
60901	cagacagttt	cactctcctg	gtgcacacct	gttcagtgtc	actggctgtc	agaacactta
60961	aacaataaag	tcccctccag	tgtcctcca	attgagacgg	ggcagggggc	tcctcttagg
61021	gcactgtagc	ccccagccc	cgcaacaggg	catggaaatg	aaggaaaatc	ccgagttcct
61081	tgaagggaag	ttccaggcac	ctagctagcc	ctgagaaata	aatgagcaac	ttgacaaaca
61141	agagggtaac	agcagcctaa	aacaacagcc	aaggaagcca	gagtccctggg	ctgtttggtt
61201	ccctctgtaa	actaaagaga	acccctgaac	atgtgtctct	gagttgtttt	tcagaaacct
61261	agacccccc	caaaccgata	cactggcaca	gagacctcag	ataagacgga	actgaggaat
61321	gaactctgag	caggtctctt	gttctaaatt	tcttctggg	gggcctgggg	gaagtccgc
61381	ccacaagcca	cagctaacat	tcctttctgg	taacccaaat	ttttaaatga	aacttctctt
61441	ccttaaccaa	tttcaaaaca	acaaattttt	gaatctacct	atgacctgga	agccacccc
61501	cacttcaaga	tatcccgccc	ttttaggcca	aaaccaatgt	gtaccctcca	tgtattgatt
61561	aatgattttg	cctgttaact	tctgcaattc	ctgaaattca	ctctgccttt	aaaaaccctt
61621	acctgcaagc	catcagggag	ttccggctct	aagagtgagc	tgcccaattc	tccttttttg
61681	gtccccgcaa	taaatgcctt	gtgttctcgt	agattatata	ccaatctcag	tgtttggttt
61741	tgctgcactg	ggcaagcaga	tcccagtcca	gctcggtaac	acaactgtcc	tcgccacgac
61801	agcctcaacc	ccaggaccct	ctgaccgccc	actgcaacat	gcacctggta	cagcaggcgc
61861	tgtgggatct	gctccggtgc	tggccgaagc	tctgaccttg	ctccggtgct	ggccgaagct
61921	ctgaccttgg	gctgccaggg	cccaccagtt	atcccgtgaa	cactgccagg	ctgcaacaac
61981	tcatgagcag	agcatggggc	tccgtccttg	ctggtgtctg	ggagttaccc	ctttgttttt
62041	ccaaccaggc	atgtcagaaa	tgatattctca	ttgttaactt	tcatttgcat	ttctctaact
62101	acaggtgaag	ttaggagttt	ttccatatgc	tggttgocca	tttacatttc	ttcttttggt
62161	aattgcctat	tcatattctc	tgtctatttt	tccactggag	tattggtatt	ttcccgtaaa
62221	tgtaaaggag	ctacctgtgt	atcatagata	ggcatctctt	agctgtcact	tctgttatgg
62281	ttactacccc	taatctctgt	tttgcttttt	ggctttggtt	atggtttatc	actcaagttt
62341	taaaacatta	cataatcaaa	tatgcttagc	tttccoctta	taacttcttg	gtttcctttt
62401	ccttctaaaa	gtcttctgag	tgtctgcgta	attagttttt	ctaaattcgt	ttactttttt
62461	catttttaatt	tttacttcat	ctgaattttt	tctttttctt	ctaagcaact	cctctacatg
62521	atgagattta	tttttgtaaa	tggcatgaca	gagcagtcca	atttaatttt	cttctcatgc
62581	aaaggcagtg	tgatagcatc	attaaaaata	tatccctttt	tcactgagtt	gaaaaacctc
62641	cattgtgata	cactgaattc	ctctgtgggg	gagtccattt	ctggatctta	ctctatactg

FIGURE 2 (cont.'d)

62701	tcccccaatt	ctctctgttt	tcaagcacag	tgtctgctta	acagtaacct	tacaaatcca
62761	gcaaggaaa	gtttccttct	gtgttttctt	ttactttttt	tttttttttt	aaagataggg
62821	tcttactctg	ttgccagtg	tggagtgcag	tggagcgacc	atggctcact	gcagcctcaa
62881	actcctggac	tcaagccatc	ctcccacctc	agcctcctga	gcagttggga	ttacaggcat
62941	gcgccaccat	acctaatttt	ttctattaat	tttttttttt	tttaagacat	gaggtctcac
63001	ttggttgccc	tgccctctcta	tgtggtttta	atttttttca	aaaaattttt	gactatgcta
63061	gatttctttt	tccatatgaa	tctttcaatt	ttttaattgt	tttctctcct	ttttagttcc
63121	tcttcaccac	caccacaccc	ccaccaagaa	agataaaaaa	ttctggctga	aatttttactt
63181	ggaagtgcac	taagttttta	taattagaatt	tggtagaact	gacattttta	cagtttcctc
63241	cccaatatca	aatcactggt	aagagttcat	tgtatatcct	ttaaaataac	tttatagttg
63301	gccgggtgcg	gtagctcacg	cctgtaatgc	caacactttg	ggaggctgag	gcaggcaaat
63361	cacaaggtca	ggagttcgag	accagcctgg	ccaacatggg	gaaatgccgt	ctctactaaa
63421	aatacaaaaa	attagctggg	cgtggtggca	ggtgcctgta	atcccagcta	ctcgggaggg
63481	tgaggcagga	gaattgcttg	aacctgggag	gtggaggttg	cagtgcgcgc	agatcacgcc
63541	actgcactct	agcctgggtg	acagtgcgaa	actccatctc	aaataaataa	ataaaataat
63601	aaataaataa	ataaaataat	aactttatag	tttttcctta	tatgggcatt	atattttatt
63661	gttagtatgg	agaaaaggcta	ttgatttttt	tgagaaatat	atttatctaa	acactttgcc
63721	aaatgaattt	attaatctag	tagcttttaa	aaaaattaga	atctcttggt	ttttctaggt
63781	ctaccatagc	attaccagaa	aagatcatct	tccctgttct	ttgacaatat	gtttattgat
63841	tgttttcctg	ttttatcatg	tggtagacc	tctaaaataa	tgttgaataa	aaacagtgat
63901	atcagcattc	ttattatttt	aatggaaatg	gcattagagt	tgacaccttt	tgatgttagc
63961	tatctttatc	atataaaagta	aggttcctcc	tattaatttt	tattagttgt	ggctattaaa
64021	tgttattaaa	ttccctttta	gtgtgaattg	atataatcat	aaactttatc	cttatgggta
64081	taataaatta	tgggtgtagc	tctcttgata	ttgaaatatc	tggaataaac	cctgcttggt
64141	tattacatat	agtcatttaa	tacactgctg	cactcacttc	gctaatatca	cctttagttt
64201	tcttttaaat	ctttatttaa	tacttggaat	ggctctcagc	cttcttttga	agcctgcctg
64261	tatccagttt	cagaactaag	cttacaccag	ctttatatga	tcaatttggt	gctgataaag
64321	agccctggaa	atgtcagctg	tctagtggct	gggtgagact	cagctgctcg	ctgtgtaggt
64381	ctgttttcaa	tcactatatg	gaaattggcc	tattttctac	aattttctct	aattttatct
64441	ttcctaggtt	tttatccatt	tctctaattt	ttcaaatttt	tgccatatta	tgccatatta
64501	aatcataatt	actgtctctt	actgtctctt	ttttttttta	agagacgggg	tcttgatatg
64561	ttgctcaggc	tagactgctg	tggctattca	caggtgtgat	catagcacac	tacagcctca
64621	agtgcgcctc	ctgcctcagc	ctctcaagta	gctgggacta	cagttgtgta	ccaccatggg
64681	gcctggctat	aattactctt	tttatgattc	cttttttatt	ccgaatcttg	catttttttt
64741	ttctatctct	ttttttccat	cagcctcatg	aggaggttat	tattattatt	ttttggacct
64801	ttcaaagaac	cagatccttg	atttactatc	ctctggcttt	catttgcttg	agtctttata
64861	gtttgcaaac	tttccatttt	cagaagaaga	aagagacca	ggaacattct	gtggcttgct
64921	caaggtccca	cagcctgcta	gcaagtggct	gaactggaat	ttaagctagg	ccccgactc
64981	caggctgctc	caagagatct	ctgagccaag	cttttgaagg	caccatcagt	gggtgcctggg
65041	atctccgggg	atctcccagc	aattttgtct	tcttttaggt	cacctgtccc	tttacctgct
65101	gcttcagttt	cttaggcaca	gggttctct	ctggtaacag	acaggaagct	cctctgaggg
65161	tacgtgcccc	tgggagactg	tggggaggct	ggaatctaga	gtcagatgac	ctggcttgaa
65221	tcctagctct	gtggttggt	gtgggcacct	gtgtctcagt	tttcttatct	gggtaaaatg
65281	atcaacatca	atagagccca	ctacctagga	tggttgtggt	gatgattaca	caaataaaga
65341	taggttatct	aaaaccccag	tggtaaatg	tgcttcagaa	tccagaattt	ttaggatttt
65401	agcagtgggt	atacttcatt	atgtgccata	ccccctcca	ccccagctct	agggcaacat
65461	actattttac	aatcgaacag	agcagtattt	ctgcagtgat	ccacatacat	atcacattga
65521	atggaaaaag	cctctaaata	acctcaccta	ttgcttcaaa	gaaggtttgt	ttacaaacaa
65581	tgaatttgct	gcacagtttt	gaaatatgca	gcagttttca	gatttttttag	atttagaatc
65641	gagggtaagg	gattgcggac	tgtgcagggt	aacctatagg	atagccttgg	catgtggctg
65701	gtgcctgacc	tatccagctg	ctattgtgtc	cacagctccc	aagggtccagt	tcatggacat
65761	tatttgctga	atgctcatct	gccagtctcc	cacgggtgtcc	tctgcgcagt	tctccctac
65821	tcccagggac	ctatgcccag	tccagtctcg	gccttggccc	ctgctgtctg	cacaccagct
65881	cccagcctgg	cagcaggctg	gtgccaggaa	cagggggaga	caaagccctg	tgcccgcctg
65941	cctttcctcc	aggggtctcc	tcttctctct	gcctcatctc	cggtggacat	aagaactcac

FIGURE 2 (cont.'d)

66001	atcatcatca	aaggtggcat	accaggactg	gcctgggtcc	tgaccccaga	acccatgggtg
66061	cccctcagtg	gtcttggtct	ccagcttagt	ccacagcttc	acctgcctgg	cccctggcag
66121	caccttgact	gggggccctt	ggtcagggtg	ctggggtgga	gagtgcagaa	tatgatccca
66181	gggcaggtcc	tccacagtgt	gcctcgactg	gccaggggct	tctcaagtgt	gccttgggga
66241	gtagaacctc	ctccgcccct	atggacagcc	cacctcaggg	cctgcaggaa	gccctagtgt
66301	ctttcaagac	atagcttcct	cagctggagt	gtgaatggag	ccacccagga	gccctggatc
66361	gcagaggact	gagctgctca	gaaaggtgtg	ccccccagca	gcctacctgg	atggcaatgg
66421	ggacaatctt	gttggccagg	ttcttatata	gcaagcagat	gggagcggcc	aggaactgga
66481	gtgtgcaggg	gtctgttttg	ttggcatcga	tgccatccag	cagctcaaag	tccacgatga
66541	aaatgttccc	ttgctgcagg	aggcagagag	atgtgtccaa	atcaggctca	gcagacggac
66601	caaaaatcag	gcctggggaa	agagtgatga	cctctgggca	ccccctctcc	tttctctcga
66661	ctcagcggag	ctcagaatgt	gtacttctct	cctctgactc	caaggctgat	tgattcacat
66721	ggaaggtgtt	cacaggttgt	ggcagttcgg	ggtaagatga	aggaatggca	gcagctcatt
66781	cggcatttgt	ggtgtctgaa	acctgcttga	ctggcacgaa	agatgagaga	ccgacccgag
66841	tgtcagttta	ctaagaagaa	agaggttagg	tgaatatagat	gtgacgagtt	aaatgccaat
66901	cttcaccacg	gggctgaagg	tccgnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
66961	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
67021	nnnnggggtc	ctcagggact	gggcctcagc	ccgccgggtg	ttccacccta	ggcttcccca
67081	agtcggtcaa	gagccgggag	cagctgtcgg	agtacctgac	cgtgggtgatc	ttcaccgcct
67141	ccgcccagca	cgccgcggtc	aacttcggcc	aggtaggcag	ggccggggcc	gctgggcagg
67201	gctcccttct	caaggccgct	gcctcctccc	ccgccccggg	tctgcacgcg	tactgcaccc
67261	tcggacagcc	tcggggcctg	gcacgggact	tgcaggatgg	attctgcccg	ctcagccaag
67321	ggcgtggcc	gcggggaaag	aggatggacg	gactgcaggg	cccgtctggag	ttggggggga
67381	cggggaggac	ggggcccagg	ggcagctgg	gcagcagggc	tcgggggggtg	cccacgcttg
67441	ctggcggtcg	tctccgcagt	acgactgggtg	ctcctggatc	cccaatgcgc	ccccaccat
67501	gcgagccccg	ccaccgactg	ccaagggcgt	ggtgaccatt	gagcagatcg	tggacacgct
67561	gcccgcaccg	ggccgctcct	gctggcatct	gggtgcagtg	tgggcgctga	gccagttcca
67621	ggaaaacgag	gtgaagctgg	gcagggcggg	gcacagcccc	aggtcacccc	aggttaagcg
67681	gttcctcagc	ctcagggcct	tgtgactcgg	gccccaaagg	tcacttggag	caaaggaatc
67741	ctgacttcca	aggctggaag	ggcccagaag	gctgcagccg	ccaccaggtc	ccccggcctc
67801	agctcggaca	gagctcaggg	tgtgcagggc	aggagagcac	acagcccagg	acagcctcac
67861	tgtcaccaga	gggtcgtgtg	tgagcctccc	tccccccagc	tattgacaaa	gttcttgac
67921	atgtgtttta	ccctggtact	ccagagggaa	tgaccaagag	tttcttgggt	tccttcggga
67981	cacgtgcata	tcatttaacc	taacaactga	atccgggtgtg	tcttcgtgga	tgcacccgct
68041	ttggggtagc	tcagtactgc	atagaatggc	cggaccagtc	caacctgctc	cagactgctg
68101	ggtgtctgag	ttgttcccgg	ccaatgtgtt	ggtccctcac	tggacatcct	tgtttttgtg
68161	gctttgcaca	tgtgttcagt	atgaccgcac	acatttcctag	cagacaaatt	ccttgggtcaa
68221	agaatattga	tactgaattg	ccctccacaa	actaaattca	aaatcccatt	atcaatagcc
68281	tatgtttctt	ggacctttcc	agctcagaag	ctttgtgata	ttaatccaat	acagtatttt
68341	tttaaaatga	tatctagctc	tgccccgcag	acatctgtgt	gagaatgcaa	ataagcacag
68401	gaccccaaca	gggcagccac	cccttcaggc	tccctggccc	gctttctgoc	ttcctgggct
68461	ggagaggcca	gtgctggccc	cagcgccctc	gatgggaggt	gagagtgtctg	cgcaggggtg
68521	gccccagaca	gcaggatacc	atggctgcaa	acaccagcag	ccccagctt	catctgcata
68581	atctcgtaac	cacttggcag	caggcagtta	ttttcccaact	tatccatgaa	gccccagccc
68641	tggagccttc	cttagagaag	caggttggag	gcgacgacac	ttgccttccc	gaggccctct
68701	tgtcaggcag	cagaggggtga	atatggggag	gtgaatagat	gctccctcct	tcacttccca
68761	aacgggtggc	ggcccccttg	gatgagacag	gcctgtcagt	ttacacgggt	agtggattga
68821	cctatgtgtg	tgtccatgtc	tgggccctca	gctgttccctg	ggcatgtacc	cagaagagca
68881	ttttatcgag	aagcctgtga	aggaagccat	ggccccgattc	cgcaagaacc	tcgaggccat
68941	tgtcagcgtg	attgctgagc	gcaacaagaa	gaagcagctg	ccatattact	acttgtcccc
69001	agaccggatt	ccgaacagtg	tggccatctg	agcacactgc	cagtctcact	gtgggaaggc
69061	cagctgcccc	agccagatgg	actccagcct	gcctggcagg	ctgtctggcc	aggcctcttg
69121	gcagtcacat	ctcttccctc	gaggccagta	cctttccatt	tattctttga	tcttcaggga
69181	actgcataga	ttgatcaaag	tgtaaacacc	atagggaccc	attctacaca	gagcaggact
69241	gcacagcgtc	ctgtccacac	ccagctcagc	atttccacac	caagcagcaa	cagcaaatca

FIGURE 2 (cont.'d)

69301	cgaccactga	tagatgtcta	ttcttgttgg	agacatggga	tgattatatt	ctgttctatt
69361	tgtgcttagt	ccaattcctt	gcacatagta	ggtagccaat	tcaattacta	ttgaatgaat
69421	taagaattgg	ttgccataaa	aataaatcag	ttcattttaa	atgggtcttg	ttccatgtgt
69481	tatattccaa	tcaccccaaa	cagctcactg	ccatctccca	caccaagaga	aaaaaaaaagc
69541	catagtcacc	gtgattttat	caaggcaaaa	gcctcccccac	ccaagtctgg	atagaaggtg
69601	ctttttccct	caagcagtg	ctactctctt	tggaaacacat	cccaaagtgc	accacctctg
69661	ggaaggcatc	cttggttcct	gtctctaccc	tggatttgtc	agaacctctg	ttcttgcccc
69721	ctctgtggtc	tctcccttgg	gacaggagcc	cctggaagga	cagaaaaccc	actttattta
69781	tgtctgtgcc	ccagggtctg	cataaggcac	cagcactcag	ctgttctctc	cttttctctc
69841	tgggaaggca	cctagcta	ggatattagg	cattgtcttg	ggagctgggg	gcttattttt
69901	tcctgaggca	gggttcttaa	catgacataa	aaaataaaaa	tgggcagggc	gcggtggctc
69961	acgcctgtaa	tcccagcatt	ttgggaggcc	aagggtgggag	gatcatttga	ggtcagaatt
70021	caagaccagc	ctggccaaca	cggtgaaacc	ccatctctac	tgaaaataca	aaaattagcc
70081	aggcatggta	gcaggtaact	gtaatccag	ctactcagga	ggctgaggca	ggaaaattgc
70141	atgaacctgg	gagacagagg	ttgcagagag	tggatatcgc	accactgcac	tccagcctgg
70201	gcaatagagc	gagactctgt	ctcaaatagt	taataaataa	ataaatttaa	ttaaataaaa
70261	acgcattctc	tttccccagc	cccaagttagc	agagcccgct	ctgagcctgg	gcattgggtgac
70321	ccattctcct	cgtgctcaca	tgcccaactc	ccagccctcc	agccctggc	ttcggaatca
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70501	cctgaagcca	caaggctctc	tgaggagacc	tgactattgg	gggtggggact	agagactgag
70561	gtccagcccc	ttaatgcccc	agactccctg	ccatccctcg	gagaatttcc	caccacactt
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70801	acagagaagg	attgggttgg	aagggttca	gatggcagag	aacctctgaa	aaagtctcat
70861	gccagcta	gaagagtcct	caaagtcacc	atcacagaaa	tcttacatct	ggcagaaatg
70921	acagcaatag	tttggcatga	acccacag	ggatccaaac	gtgtggcagc	tgagatcgtc
70981	agttaattat	gttctctgca	gctggtcctt	ctggttccct	ggagctgggt	atctgagtag
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71581	ttgcagtttg	agatcaacta	agtttaattg	ttgcttgaat	aaaaacatca	cagccgggca
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72181	aatactgact	tctagtgaac	gacatgcata	ctgaaacttt	cgtagtgaag	tataattatg
72241	gctgcagttg	actctgaaat	acataaaaac	ctaagttgat	gggtgaatac	agtgattaat
72301	agatagaaat	ctgtggtaaa	gcatacggag	aaaaatgtta	attgtagatt	ctagggttta
72361	tatatattct	cactatataa	ttaaacgttt	ttatgtttta	aaatttttat	aatgttgaaa
72421	aaccatgaaa	tcctacctaa	cgcagtaaga	caagaaaaag	agataaaaag	tatatgtact
72481	gggaagtaag	aaataaaaac	gtctttgtta	gcagatgaca	tgctcatcta	tgtagaaaat
72541	ccaaaagaat	ggataaagaa	actcctggaa	ctaataagtg	gttacagtaa	ggttgtagga

FIGURE 2 (cont.'d)

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72721	aaatctaata	aaatacatatc	aagatcttta	tgaggaaaaac	tgcaaccctg	atgacagaaa
72781	tcaaagagaa	actaaagaaa	tagacataag	taaatattcc	ccagaaagac	tcaatattgt
72841	caagatgtca	gttcttcaaaa	acttgaccta	tagattcaat	gcaatcctaa	tcaaaatctc
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72961	gacggagttt	cgctctgttg	cccaggctgg	agtgcagtgg	cgcatctcg	actcactgca
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73261	gggaagcaaa	agaccagaa	cagctaacac	aacaatatag	taggaaaaa	acaaatttgg
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73381	gtattgggtga	aagaatagac	aaatagatca	atggaacaga	atagagagcc	taagaaatag
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74761	gatatgatat	tgcagaaaaag	gcaaaaactgt	ggagacagta	aaaagattgc	caggggctag
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75721	tacaaaggag	taacaatcat	tttaggaaca	atttttaaaaa	taacacttgt	gatgtggctc
75781	aggaagatt	catatttctca	ctgtagggaag	gtaaagtgaat	catttttagag	gtcagttttg
75841	caacttagaa	gatcaaatgc	atctaccctt	tttctacttc	tagaaaatgta	tcttcagaag

FIGURE 2 (cont.'d)

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76021	tttaaagaaa	tccctgcatga	gttagaaaaga	ataaggtaga	tgccctgggtt	ctaacataga
76081	aaatatcaaa	ctggttgtta	gatgaaaaaa	gcaagttgca	aagtgaggta	atgtgtaa
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76201	atgcctccaa	ctgcatagct	gtggctccgg	gagcaggacc	ttgtaacaga	gcctctgccc
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76321	tgttatcacc	atgctgacag	ctttgcttgt	catatgcctt	tccctccgct	gtactgattt
76381	taccttacag	aagctctcct	tagtgcttca	tcagacactc	cctcttttcc	aaagaaaaga
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76561	ctcagagggtg	tggcaggatt	gcatgtcaca	gtggcacttc	caaggccctg	gagagtgact
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76921	gctacaggga	gccagtaccc	catcagtgtg	gctggttcca	tcctctcaag	cctgcctgca
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FIGURE 2 (cont.'d)

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82261	attgattctt	cctacccatg	agcatggaat	gttcttccat	ttgtttgtat	cctcttttat
82321	ttccttgagc	agtggtttat	atttctcctt	gaagagggtcc	ttcacatccc	ttgtaagttg
82381	gattcctagg	tattttattc	tctttgaagc	aattgtgaat	gggagttcac	tcatgatttg
82441	gctctctgtt	tgtctgttat	tgggtgtataa	gaatgcttgt	gatttttaca	cattgatttt

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FIGURE 2 (cont.'d)

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82501 gtatactgag actctgctga agttgcctat cagcttaagg agattttggg ctgagacgat
82561 ggggttttct aggtatacaa tcatgtcatc tgcagacagg gacaatttga cttcctcttt
82621 tcctaatacga atgcccttta tttccttctc ttgcctgatt gccctggcta gaacttccaa
82681 cactatgttg aataggagtg gtgagagagg gcatccctgt cttgtgccag ttttcaaagg
82741 gaatgcttcc agtttttgcc catgatgtat gatattggct gtgggtttgt catagatagc
82801 tcttattatt ttgagataca tctcatcaat acctaattta ttgagagttt ttgacatgaa
82861 gcgttgctga attttgtcaa aggccttttc tgcattctatt gaaataatca tgtggttttt
82921 gtcattgggt ctgtttgtat actgggttac atttattgat ttgtgtacgt tgaaccagcc
82981 cttgcatccc agggatgaag cccacttgat catgggtggat aagctttttg atgtgctgct
83041 ggattcgttt gccagtattt attgaggatt tttgcatcga tgttcatcaa ggatattggg
83101 ctaaaatggg ttttttgttg ggtctctgcc cagctttggg ctcaggatga tgcctccctt
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83341 attcagagat tcatcttctt cctggtttag tcttgggagg gtgtatgtat ggaggaattt
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83461 ggtagtttat atttctgtgg gatcaggggc gatatccctt ttatcatttt ttattgcac
83521 ttttgatttc ttctgtcttt tcttctttat tagtcttgct agcgggtctat caattttggt
83581 gatcttttca aaaaaccagc tcctggattc attgattttc tgaagggttt tttgtgtctc
83641 tatttcttct agttctgtct tgatcttagt tatttcttgc cttctgctag cttttgaatg
83701 tgtttgctct tgcttctcta tttcttttca ttgtgatgtt aggggtgtcaa ttttagatct
83761 ttctgctttt ctcatgcggg catttagtgc tataaatttc cttctacata ttgctttgaa
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83941 ccagttagtt gagtggtttt gagtgagttt ttacaatttc tgttctttta catttgctga
84001 gtggtctgag agatagtttg agatagttt ttttggaata ggtgtggtgt ggtgctaaaa
84061 acttccaact atgtggtcaa ttttggaata ggtgtggtgt ggtgctaaaa aaaatgtata
84121 ttctgttgat ttgggggtga gagttctgta gatgtctatt aggtccgctt ggtgcagagc
84181 tgagttcaat tcctgggtat ccttgttaac tttctgtctc gttgatctgt ctaatgttga
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85381 catttcattg atttgatttt ccatcccaa taccctttct tccagttgat tgaatcagct
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85681 tgggtgaggag ccgtgttctt ttggaggagg agaggcactc tgatttttag agcttccagt
85741 ttttctgctc tgtttgttcc tcatctttgt ggttttatct acctttgggc tttgatgatg

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FIGURE 2 (cont.'d)

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85861	aattcaggac	cctcagctgc	aggtctgttg	gagtttactg	gaggtccact	ccagaccctg
85921	tttgccctggg	tatcagcagc	agaggctgca	gaacagtgga	tattggtgaa	cagcaaattgt
85981	tgctgcctga	tcattcctct	ggaagttttg	tctgagagga	gtacccagcc	gtgtgaggtg
86041	tcagtctgcc	cctactaggg	gggtgcctccc	agttaggcta	ttcgggggtc	agggaccac
86101	ttgaggaggc	agtctgccc	ttctcagatg	tcaagctgtg	tgctgggaga	accacttctt
86161	tcttcaaagc	tgtcagacag	ggacatttaa	gtctgcagtg	gttattgctg	tcttttgttt
86221	gtctgtgccc	tgcccctgga	gggtggagtgt	acagaggcat	gcaggcctcc	ttgagctgtg
86281	gtgggctcca	gccagttcaa	gcttcccggc	tgctttgttt	acctactcaa	gcctgggcaa
86341	tggcggggcac	ccctccccc	gcctcgctgc	cgccctacag	tttggctc	gactgctgtg
86401	ctagcaaaga	gtgaggctct	gtgggtgtag	aacctccaa	gctatgtgtg	ggatataatc
86461	tcctgggtgtg	ctgtttatta	agccattgg	aaaagcacia	tattagggca	ggagtgaacc
86521	aattttccag	gtgccatctg	tgaatgcttt	ctttgactag	gaaaggaat	tccctgacct
86581	cttgcccttc	ccaggtgagg	tgatccctca	ccctgctttg	ggcacgcac	gggtgtgctac
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86701	tggaaatgtg	gaaatcacct	gtcttttgca	tcgctcatgc	tgggagctgt	agactggaac
86761	tgttccctatt	cagccattct	ggctccacgt	atatccactg	ccacacttct	ttagtcatata
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86941	tccagagtaa	gtgtctgttt	cagtgaaggac	aaacctctgc	ccttttcagg	atggaagagg
87001	tccagtataa	ccaaccttcc	accaggtaac	agactgatca	ccccagggaa	tgggtgccata
87061	ttgagggtgc	agtgttagtc	tctgctgctg	tcaaattggg	cactcagctg	tagccatagc
87121	caggccagtt	ttgggtgagt	gaagtccatg	ttgctgagcc	catgtataac	ctccatccct
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87301	tgctgagtc	acccattggt	gagcactcac	atgggatcca	aatatcttca	caggttttgg
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87541	tgcttgaagt	tctgcccact	gggaagattt	cccttcacca	ctgcccttca	gtgatgtcct
87601	agaaaggggc	tgtagtgtctg	cagctgtcca	cttttgggtg	gtgcctgcac	atcgtgcaga
87661	accactctgtg	aaccaggccc	tagtcttctc	ttcctctgtc	aactgatcat	agagaactcc
87721	ccatgagtc	atcggtgcag	gctggggaaag	agaaggtggg	gtggcagttg	gtggaccat
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88201	ttggacagca	gcctggacct	gaggcagagc	cttatcctgt	tctggacccc	actcaaaact
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88441	gtggacccct	agaaatgtta	ctgaggtaga	aggccctga	atttttagtca	aattttattc
88501	tcactcctctg	gcacacaaac	atctcacaaa	taagtccagt	gtgtttgcta	cttcttgctc
88561	actggatccg	atcagcataa	tgtcatcaat	gtaatggacc	agtgtgatat	cttgagaag
88621	caaaaagtgg	tcaagatctc	tccaaataag	attatgatgc	aaagccagag	tttatatact
88681	cttgaggtag	gagagtaaag	atatattgct	agtcttgcca	gctgaaggca	aattgtctct
88741	agtgggcctt	atgaatagga	atggagaaaa	aggcatttgc	caagtcaatg	gctgcatacc
88801	aggtagcagg	aaatgtgtta	atttgctcaa	gcaatgaaac	cgtatctggt	acagcagctg
88861	caattggagt	caccacttag	ttaagcttat	gataatccac	tgtcattctc	caagatccat
88921	ctgtcttatg	cacatgccaa	atgggagagt	tgaatggggg	tgtgatgaaa	atcaccaccc
88981	ttgcgccttt	caagtccttg	atcatggcac	taatctctgc	aatccctcca	gggatgtgat
89041	attgtttttg	atttaccatt	tttctaggtta	gaggcagctc	taatgccttc	catttggcct

FIGURE 2 (cont.'d)

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89221	cctggggacc	cattggaccc	actgtaagtc	agacctgagc	taaaactcca	ttaattacct
89281	cacctccata	agctcctgct	ttaactggag	gaccacaatg	acgttttgag	tcccttagaa
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89401	cccaatgcac	agttaccttg	ataaaaaggct	ggaggtctcc	ttgggaaaaa	atgggagaaa
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89581	ccatgattct	ctatttttat	aattcaaagt	agtgttttgt	ccatttgacc	tggaaatttt
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89701	actgtgatta	attagcgaat	gccagaactc	tacatgagtc	agactattct	gattgctgct
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91141	aaaggaacac	tgaatcagtg	ttctccatac	tatcagaagt	agagtcctta	gcatttttga
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92281	ttgggtgttc	tttggctttc	ggaagttttc	tttaatactc	tctttaaatt	tgtctgattc
92341	cacttcttgg	ttcccttttc	aggaacacca	agtattcaca	cagtggatag	tcactgttcc

FIGURE 2 (cont.'d)

92401	tctacttcta	aaatthttgtt	atttaacaaa	atgttataaa	agtagaatca	catttatgta
92461	acctthtttg	attgatgttt	tttgctcagc	ataatthtct	ggcaatccat	ccaagttgtt
92521	gcatgcatca	atcatccatt	cctttacatt	gctaagtagt	attccatgct	atgtatttac
92581	aacagtttgt	ttacccattc	acctgttgaa	aaacatcttg	gctgaatcta	gttcttagct
92641	attaatatta	taaacaaaga	tgctataaac	atttgthttga	cagthttttg	tgtgaagttt
92701	ttatthtttct	gggataaatg	cctgggagtg	caattgctgg	gtcatatgat	agttgtgtgt
92761	thttctttga	gaaactccca	aaatthtcca	gagtggatga	agtatthtat	gttctatca
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93061	ggtggatgaa	gagaggttgg	tatatgggta	caaaaataca	attaagacct	ctggtccatg
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93181	acctgaggtc	aggagcttaa	gaccagcttg	gccaacatgg	tgaaacctg	tctctactga
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93301	tgaggtggga	gaatcactta	aaaccgggag	gcgaagthtg	cagtaagccg	aggtcacacc
93361	actgcactcc	agcctgggca	acagagcact	ccagccgggg	caacagagca	agactctgtc
93421	tcaaaaaaat	aaaataaaaat	aaagtaaaaac	aaaataaaaga	gttccaatcc	agcagagagt
93481	gtggtgagat	ggtgcgggac	cagctccctg	ggactthctga	gcctthgccc	tggccagtgg
93541	gggagctgag	ccaggatagg	ctgtagcctc	tgccccgtga	caccaggacc	cttggtggtg
93601	ctgccaccag	gacccttggg	gtgggtgcct	gggccttgaa	gatgcagcaa	gcctcccttc
93661	cccctacacc	tcagtgactg	aggggtggtg	tggcctthtc	caggccgcac	cctgccgggt
93721	atagacgaag	tccccactga	gcctggatgc	agtgcctthg	ggtggtggtg	ggagtggcag
93781	gggcagcttg	gtgactatcc	gggtgtcagg	attgggaagg	tgctcttggg	atgcaggaca
93841	cgggtctcagc	cacctctthta	ggccatggcg	ctgccagatc	cgggtctctg	tgaccactct
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93961	tgggaagtgta	gtggaggcac	agaggaggac	agtgtggaac	agttagcagg	cattgggctg
94021	thggtcttcc	thtctaccaga	cctggaagga	cctcacattt	ggcctatggg	aaatgcccg
94081	cacactthtg	gaagattthac	tatctgcttc	tagaaggctg	tgtgtatatt	atgaaaaagc
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94201	ggtgaacttg	aacagctcag	gtgtgcagct	cacagtgaga	tcaatgcaga	aggtgggtga
94261	thtctgcatt	tccaactgag	gtaccgggct	catctcattt	ggactggtta	gacagtgggt
94321	gcagcccatg	gagggtgaac	tgaggcaggg	tgggtgttg	cctcacctgg	gaagtgcaag
94381	gggtcagaaa	actcccctgt	tagccaaggg	aagctgtaag	gagctgtgcc	atgaggagtg
94441	gtgcattcca	gccagatac	tatgctthtc	ccatggtctt	tgcaaccac	agaccaggag
94501	attccctcca	gtgcttatgc	caccagggtc	thgggtthtca	agcacaaaa	tgggtggcca
94561	thtgggtaga	caccaaggta	gctgcaggag	tctthttthca	tacccaggg	atgcctggaa
94621	tgtcagcgag	acagaacctat	tcactcccct	ggaaagggg	ccgaagccag	ggaaccagg
94681	ggtctagctc	agtggatccc	acccccatgg	agcccagcaa	gctaagatcc	actggcttga
94741	aattcttgct	gccagcacag	tagtctgaag	thgacctggg	atgctggagc	thggtatggg
94801	gaggggcgtc	tgccattact	gaggcttgag	taggcagtgt	tcctctcaca	gtgtaaacaa
94861	aactgcaagg	aagttccaac	tgggtggaac	acaccacagc	gctgccaggc	tgctgtagca
94921	agactgcctc	tctagattcc	tcctgtctgg	gcagggcatc	tctgaaaaaa	aggcagaagc
94981	cccagtcagg	gacttataga	taaaactccc	atctctctgg	gacagagcac	ctgggggaag
95041	gggcagctgt	gggtgcagct	tcagcagatt	thaacatccc	tgccctgccag	ctctgaagag
95101	agcagtggtat	ctcccagcac	agtgtthtga	cagactgcca	cctcaagtgg	gtccctgacc
95161	ccctggcctc	ctgaccggga	gatacctthc	agaagaagcc	aacagacacc	tcacacaaga
95221	gagctccagc	tggcatctgg	cagggtgcccc	tctgggacaa	agctthtcaga	ggaaggaaaca
95281	ggcagcaatc	thtgtgttct	tgagcctcc	actggtgata	cccaggcaaa	caaggctctga
95341	agtagatgtc	cagcacactc	cagcagacct	gcagcagaga	ggcctgactg	thagaagaaa
95401	aactaacaaa	cagaaaggaa	tagcatcaac	atcaacaaaa	aggacatcca	ctcagaaacc
95461	ccatccaaaag	gtcaccaaca	tcaaacacaa	aaggtaggta	aatccatgaa	gatggggaga
95521	aaccagcaca	aaaaggctga	aaatthcaaa	aaccagaatg	cctctthctc	thcaaaaaat
95581	cacaacttht	caccatcaag	ggaacaaaa	tggatggaga	atgaatthtga	tgaatthtga
95641	gaagtaggct	tcaaaagggtg	ataataacaa	actcctctga	gctaaaggag	aatgtthttaa

1007441 "020702

FIGURE 2 (cont.'d)

95701	cccaacgcaa	ggaagcaaag	aaacttgaaa	aaagattaga	tgaattgcta	actagaataa
95761	cgagtttaga	gaagaacata	aatgacctga	tggagctgaa	aaacacagca	caagaactta
95821	gtgaagcata	cacacatatc	aatagctgaa	tcgatcaagt	ggaagaaagg	atatcagaga
95881	ttgaagatca	acttgcagaa	accctataag	ccagaagaga	ctagggggcca	atattcaaca
95941	ttcttaaaga	aaagaatfff	caatgctgaa	tttcatatcc	agccaaacta	agcttcataa
96001	gtgaaggaga	aataaaattc	tttacagaca	agcaaattgtg	agacattttg	tcgtcaccac
96061	gcctgcatta	caagagctcc	tgaagggagc	aataagcatg	gaaaggaaaa	aatggtgcca
96121	gccactgcaa	aaacatgcca	aatggtaaag	accatcaacg	ctatgaagaa	actgcatcaa
96181	gtaatgggca	aaataaccag	ctagcatcat	aatgatagga	tcaaatttac	acataacata
96241	ttaaccttaa	atgtaaatgg	gctaaatgcc	ccaattaaaa	gacacagact	ggcaacatgg
96301	ataaagagtc	aagacccatc	agtgtgcagt	attcaggaga	cccatctcac	atgcaaaaaac
96361	acacataggc	ccaaaataaa	gggatggagg	aatatfacc	aagcaaattg	aaagcaaaaa
96421	acaaacaaac	aaacaaacaa	acaaacaaac	aggggttgca	atcatagtct	ctgataaaac
96481	agacttttaa	ccaacaaaga	tcaaaagaga	aaaagaaagc	cattacatag	tggctaagaa
96541	gagctaaacta	tcctaaatat	acatgcaccc	aatacaggag	caccagatt	cataaggcaa
96601	gttcttaaac	acctacaagg	agacttagac	tcccacacaa	taatagtggg	agattttaat
96661	acccactgt	caatatcaga	caggtcaatg	agacagaaaa	ttaacaagga	tatctaggaa
96721	ttgaactcag	ctccagacta	agcagaccta	atagacatct	atagaactct	ccaccccaaa
96781	tcaacagaat	atacattctt	ctcagcacca	catcgacttt	attctaaaaat	tgaccacata
96841	attggaagta	aaacactcct	cagcaaattgc	agaagaatgg	aaatcataac	aaacagtctc
96901	tcacaccaca	gcgcaattaa	attagaattc	agaattaaaga	aactcactca	aaacctcaca
96961	cttacatgga	aactgaacaa	cctgctcctg	aatgactgct	ggataaataa	tgaaatgaag
97021	aaggataaaag	atgttggttg	aaaacaataa	gaataatgta	ccagaaactc	tgggacatat
97081	ttaaagcagt	gtgtagagga	aaattttatag	cagtaattgc	ctacaaaaga	acacaggaaa
97141	gatctaaaat	cgacacccta	acatcacaaat	taaaagaact	agagaagcaa	gagcaaacaa
97201	attcaaaagc	tagcagaaaa	caagagataa	ctaagatcag	ggcagaactg	aaagagatag
97261	agacatgaaa	aacctttaa	aatcaattaa	tcgtctccc	tctccctctc	cctctccctc
97321	tccgtctccc	tctccgtctc	cctctcccca	cggctctccct	ctccctctct	ttccacggtc
97381	tccctctgat	gccgagccga	agctggactg	tactgctgcc	atctcggtct	actgcaacct
97441	ccctgcctga	ttctcctgcc	tcagcctgcc	gagtgcctgc	gattgcaggt	gcgcgcgcgc
97501	acgcctgact	ggttttctct	gcccgccgac	ccgcgccgct	cgggaggagg	gagtagaggtc
97561	agccccccgc	ccggccagcc	gccccatccg	ggaggtgagg	ggtgcctctg	cccgcccgcc
97621	cctactggga	agtgaggagc	ccctctgccc	agccaccacc	ccgtctggga	ggtgtacca
97681	acagctcatt	gagaaggggc	catgatgaca	atggcggttt	tgtggaatag	aaagggggga
97741	aaggtgggga	aaagattgag	aaatcggatg	ggtgccgtgt	ctgtgtagaa	agaagtagac
97801	atgggagact	tttcattttg	ttctgtacta	agaaaaattc	ttctgccgtg	ggatcctgtg
97861	gatctgtgac	cttaccacca	accctgtgct	ctctgaaaca	tgtgctgtgt	ccactcatgg
97921	ttaaattggat	taagggtggt	gcaagatgtg	ctttgttaaa	cagatgcttg	aaggcagcat
97981	gctccttaag	agtcatcacc	actcccta	ctcaagtacc	cagggaacaca	aacactgcgg
98041	aaggcagcag	ggtcctctgc	ttgggaaaaac	cagagacctt	tgttcacttg	tttatctgct
98101	gacctccct	ccattattgt	cctatgacct	tgccaaatcc	ccctctgcga	gaaacacca
98161	agaatgatca	ataaaaaaat	aaataaataa	aaataaaaaat	aaataaaaaat	aaataaaaaa
98221	aagaaataaa	cacaaataaa	atgttaaaat	tcccattcta	cataaaatca	tctatagatg
98281	tttttaaaata	tacaacatga	ttatcaaggga	cttaattctgt	accacattct	tgtagatgta
98341	aagttaaaat	tcttgtaacc	atcactctca	accctaccct	atcttcagc	ataaatgaga
98401	ctttccacatg	ttttctcttg	cccagatgga	gacactaact	gtaggctttg	gaaatgtctt
98461	aaaaaaaaaa	aaaaaaaaaa	gagagccagg	catcttcaaa	cagagaaaaag	ctgtttgaac
98521	acattttatct	aagtctatca	aaagctatga	ttgttagcaa	gaggtaacct	tgtaatgcca
98581	aggcagaaaa	ctgccacca	accacaaaaa	gcttggtcaa	ctgctgaacc	taaaattaaa
98641	caattttatct	ctcattaaaa	aaaaaaaaatc	aattaatcca	ggagctggtt	tttttttaaa
98701	gatcaacaaa	atagatagac	cactagccag	actaataaag	aggaaaagag	agaagagtca
98761	aatagacata	ataaaaaatg	ataaaggaga	tatcaccact	gatcccacag	aaatacaacc
98821	taccatcaga	gaatattata	aacacctcta	tgcaataaaa	ccagaaaaatc	tgaagaatat
98881	ggataaattc	ctggacacat	acacctccc	aagactaaac	caggaagaag	tcaaatccct
98941	gaataagcca	ataacaaact	ctgaaattga	ggtggtaatt	aatagcctac	caacccaaaa

FIGURE 2 (cont.'d)

99001 aagtcaggga ccagacggat tcacagctga attctaccag aggtacaaaa ggagctggta
99061 ccattccttc tgaaactatt ccaaacaata gaaaaagaga gaatctccct aactcatttt
99121 acgaggccag catcatcctg ataccaaagc ctggcagaga cacaacaaaa aaagaaaatt
99181 tcaggccgaa atccctaatt aatattgatg caaaaatcct cagtaaaatt ctggcaaacc
99241 gaatccagca gcacatcaaa aagcttatcc accatgatca agttggcttc atccctggga
99301 tgcaaggctg gttcaacata tgcaaattaa tgaacgtaat gcatcacata aacagaacca
99361 atgacaaaaa ccatgtgatt atctcaatag atgcagaaaa gaccttcgac aaaattcaac
99421 agcccttcac gctaaaaact ctcaataaac tagatattca tggaacatgt ctcaaaacaa
99481 tcagagctat ttatgagaaa cccacagcag ccaatatcat actgaatggg caaaaactgg
99541 aagcattccc tttgaaaact ggcataagac aaggatgccc tctctacca ctcctattca
99601 acatagtatt gggagtctg gccagggcaa tcaggcaaca gaaagaaatg aaggatattc
99661 aattaggaaa agaggaaatc aaattgtctc tgtttgaga tgacatgact gtatatttag
99721 aaaaccccat catctcagcc caaaatctcc ttaagctgat aagcaacttc agcaaagtct
99781 tgggatacaa aatcaatgtg caaaaatcac aagcattcct atacaccaat aacagacaaa
99841 ccgagagcca aatcacgagt gaactcccat tcacagttgc tgcaaagaga ataaaatact
99901 taggaatcca acttacaagg gatgtgaagg acctcttcaa ggagaactac aaatcactgc
99961 tcaatgacat cagagaggac acaaacaaat ggaaaaacat tccatgctca tggataggaa
100021 gaatcaatat cgtgaaaatg gccataatat ccaaagtaat ttatagattg aatgctatcc
100081 ccatcaagct accactgact ttcttcacag aattggaaaa aactacttta aatttcatat
100141 agaaccacaaa aagagcctgc atagccaagc caatcttaag caaaaataac aaagctggag
100201 gcatcacact acctgacttt aaactatact acatggctgc agtaaccaa acagcatggg
100261 actagtacca aaacagatat atagaccaat ggaacagaa agaggcctca gaaataaac
100321 cacacatcta caactatctg atctttgaca aacctgacaa aaacaagcaa tggggaaagg
100381 attctctact taataaatgg cattgggaaa actggttagc catatgcaga aagctgaaac
100441 tagatccctt ccttccactg tatacaaaaa ttaactcaag atgggctaaa gacttaaatg
100501 taagacctaa aaccataaaa accctaaaag aaaacatagg taataccatt caggacatag
100561 gcatgggcaa agacttcatg actaaaacac aaaaagcaat ggcaacaaaa gccaaaattg
100621 acaaatggga tctaattaaa ctaaggagct tctgcacagc gaaagtaact accatcagag
100681 tgaacaggca accaacagaa tgggagaaca tttttgcaat ctatccatct aaaaaaggc
100741 taatatccag aatctacaaa gaacttaaac aaatttcaaa gaaaaacaaa acaattccat
100801 caaaaaatgg gtgaaggata agaaaagact cttctcaaaa gaagacattt atgcagtcaa
100861 caagcatagg aaaaaaagct catcatcact ggtcattaga gaagtgcata tcaaaaacac
100921 aatgagatac catttcatgc cagttagaat ggccatcatt aaaaagtcaa gaaacaacag
100981 atactagaga gcatgtggag aaataggacc acttttacac tgttgggtgg agtggaatt
101041 agttcaacca ttgtggaaga cagtgtggta ttcctcatct tcaccacggg gtggaggtac
101101 gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn
101161 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn
101221 aacgcatatt cctgaaaggg atggcaagggt ttttttaaaag gttttatggg tttagtgtga
101281 ctctaaagga ttttaaccct tctaaaatta tttttgtata aagggtgaag aaagggatcc
101341 aacttcactc ttttacaatt gggaagccag tttttcccg cccctttttt taaaaaggat
101401 tccctttccc attggttggt tttttcaagg ttgtcaaaga tcagaagggt gtagatgtgg
101461 gttggttaatt tttaggggtt tgttttggtc ccattggtcc atagggtcgt tgtggtacca
101521 gggccatggt gttttggtta ctgtaagcct cgtagtatgg tttgaagtca ggtagcatga
101581 tgccctccagc tctgttcttt tggcttagga ttgtcttggt aatgcgggct cttttttggg
101641 ttccatatga actttaaagt agtttttccc aattctgtgc agaaagtcac tggtagtttg
101701 atggggatgg cattgatcta taaattacct tgggagtatg gccattttca tgatattgat
101761 tcttcctatc catgagcatg gaatgttctt ccatttggtt gtgtcctctt ttattttggt
101821 gagcagtggt ttgtagttct ccttgaagag gtccttcaca tcccttgtaa gttggattcc
101881 taggtatttt attctctttg aagcaattgt gaatgggagt tcaactcatga tttggctgtc
101941 tgtctgttat tggatatata gaatgcttgt gatttttgca cattgatttt gtatcctgag
102001 actttgctga agttccttat cagcttaagg agattttggg ctgagacgat ggggttttct
102061 agatataaaa tcatgtcatc tacaaaacagg gacaatttga ctctctcttt tcctaattga
102121 atacccttta tttccttctc ctgcctgatt gccctggcca gaacttccaa cactatgttg
102181 aatagagatg gtgagagagt gcatccctgt cttgtgccag ttttcaaagg gaatgcttcc
102241 agtttttgct ccttcagtat gatattggct gtgggtctgt cataaatagc tcttattatt

FIGURE 2 (cont.'d)

102301	ttgagataca	tcccatcaat	acctaattta	ttgagagttt	tcagcatgaa	tggttgttga
102361	attttgtcaa	aggccttttc	tgcattctatt	gagataatca	tgtgtttttt	gtcattgggt
102421	ctgtttatat	gctagattac	atttattgat	ttgcgtatgt	tgaaccagcc	ttccatccca
102481	gggatgaagc	ccacttgatc	atgggtggata	agctttctga	tgtactgctg	gattcgggtt
102541	gccagtatct	tattgaggat	tttcgcattg	atgttcatca	gggatattgg	tctaaaattc
102601	tctttgtttg	ttgtgtgtct	gccaggcttt	ggtatcggga	tgatgctggc	ctcatataat
102661	gagttaggga	ggattccctc	tttttctatt	gatttgaata	gtttcgccaa	actgacatga
102721	tttttaaaat	tccctatagg	gtcaatgtgc	agatttaaag	atccctacac	tcagtagtcc
102781	tgggataggg	tcgggggatc	catatgttta	acaagcagcc	tagagtctcc	cgatagcctg
102841	ggcaagcttt	aaaaagccct	gcggacattc	ggatgaaaca	aaggtgcaca	gaacctatat
102901	ctctgccatt	tattagctgg	gggccttagg	caaggaaagt	agtcaacctc	cgtattcctc
102961	agttcctcaa	ctgtaaaatg	gggatgatga	ctgtggctcc	ctcgtggggg	tgtgacggag
103021	gaacagggga	catatgtcct	gggatcagca	ctggcaattt	ggccattctt	accatagcac
103081	ctgccatctt	ggtgacagcc	tggacacaaa	gccttcacac	ctttgaagtg	gccatagaga
103141	gcatgagata	tggatgggga	ggaggcattc	caactaaaga	cccctgcttt	gggccaaaaa
103201	cacatgtatg	tctggtgtct	ggagtcctct	ggttatgcct	tttttaagat	acgggtgtgc
103261	ctgcaattgt	gcgttgagaa	tccactctat	ggccaacata	tcatcaaagc	gtttggctca
103321	gctaggctgt	tcccccaacc	caaggacccc	atgaggaaag	gagtgggggt	tccacccccca
103381	gcaccagcca	ctggaggggc	tgccagagtt	ccctcagttc	tcgtaaactt	acgctttgga
103441	gtaattcaga	acaaagtcca	ctcctttttc	actatcaaac	tggatatcac	ggggtaaatc
103501	cttgtggcat	ttggcatcga	tgcctcaagg	gaagccaggg	ttccactcca	tccatctgag
103561	catgagaaag	gagaagaaat	tgagttaaat	gccagccttt	ggtctgcccc	ctcagctgag
103621	ggccgcccac	actgtcagac	gatgttacac	agggagattg	atgtactcaa	aataaagtca
103681	acacatcata	ggctgaccct	gtgtccagta	aggttctggg	acctcttcca	aagtcagctc
103741	gcaccaactt	tgctgtgccc	tgagcatcag	agtgggaacc	ctgagactgg	gcttatagtg
103801	gtacagggtg	gcaccactgc	ataaaaagtt	ctgtaggtag	tctagggaga	cctcacttac
103861	tagagggtgac	attgaacagt	agaggcctgc	cttgccagtc	actggaggta	gaaggattaa
103921	aggctgcccc	gccacgcccc	acctggacat	ccaccattct	gccaacttga	tcagtgtgtg
103981	ccctggactg	cgtgcatgtc	ctgcatgtgg	catittgggg	aatgggacag	ttcttctgcc
104041	ttcacaatag	gacgacacgg	cagcaggtgg	cctgggagag	ggacccaggc	acagatggct
104101	aaaaggcttc	cctctctcac	ctgtctggca	atagcagctt	tagagattat	tacaattcaa
104161	acagcttccc	caaagacaag	ccacggactg	catccagtaa	acatgctcag	atcctgacat
104221	ccttgaaacg	tatcccgtgg	cattgggcat	ttgtgttttt	gaaaaatgtt	tatttttgctt
104281	ttttgtttac	ttattgagta	aacttaaatt	gtgaaaatgt	cagagggtgt	tgaaccacag
104341	caactccatc	ttgaataggg	gctgggtaaa	ataaggctga	gacctactgg	gcagcattcc
104401	caggagggtta	ggcattctaa	gtcacaggat	gagacaggac	attgatgcaa	gatacagggc
104461	agaaagacct	tgctgataaa	atgggttgtg	gtaaagaagc	cggccaaaaa	ccaacaaaaa
104521	taagatgggt	atgaaagtga	cctctgttca	tcctcaccac	tcattatatg	ctaattataa
104581	tgcattagca	tgctaaaaga	aactcccacc	agtgccatga	cagtttacia	atgccatagt
104641	aatgtcagga	agttacccta	tatggtctaa	aaaaggagg	aaccttcagt	tcctggaatt
104701	gcccacccct	ctcctggaaa	actcatgaat	aatccactca	ttgttttagca	catgatcacg
104761	aagtgactgt	aagtatgctc	agtcgagtag	cccatgctac	tgccttgcc	atggagtgc
104821	ctttctttat	tgctttactt	tcctaataaa	cttgctttca	ctttatggat	tcaccctgaa
104881	ttctttctct	tggagggtcca	agaactctct	cttgggggtc	ggatcaggac	ccctttctgg
104941	taacaaaaac	aaaatgaaat	cctgttagtt	tctttgggga	gggagaatga	ttttgtgttt
105001	gtttaaaaac	cagatttttac	attttagggg	tttagctttt	tcatttatat	tcctaattct
105061	ccttcctttt	aaaattttct	tttgaggagg	aagtataaata	tcgagatttt	gggtcttaaa
105121	aaagtctctga	gttatttttaa	tatgatcttg	tgttttgact	ttcccaaat	cccaactgtc
105181	acagtgtcct	cttggcccag	tagcctctcc	ttaggatcac	aagaagtga	cagggaccgg
105241	gtatgatcct	tctgacagca	aaggcatttt	gtcaagtgtt	ttctgttatg	tggcacctta
105301	cattttctcac	tgttggttta	tttagaatat	tctacgtcct	cagattttta	gaaaaccttc
105361	catttttgtct	gtttgtatta	atgccaatga	tagtatatta	acaaggataa	aaatgtggac
105421	aagtctacac	attttttgtt	tgtttgtttt	ggaaaatgac	tcaaggcatc	tccaatatat
105481	atctaaaatt	gagccattca	gtagcctcac	tggtagtaat	gatcaattaa	ttagtcatca
105541	ttagtcatat	caatttaaat	attactgatg	attttctctt	tgcctggaca	gttcaagggc

FIGURE 2 (cont.'d)

105601	tctagttaat	tttaaaagct	cagtggagct	agatgttttt	cagtatgtaa	acaatgagcc
105661	atgcaagggc	atctgtgcc	gcaaatggca	ttaatgtttt	cttaagtga	tagtccactt
105721	ggacggatgt	ggaatacttc	ttcagcacca	aaaagacctt	cttgcccat	gccctgccct
105781	gggtctatgga	gggtggcagc	accaatgggc	agaaatgccc	cacttggtgtg	gttagaagat
105841	gatggcctca	cagcacatgg	agacaggaca	gcttgcttgc	tagttcacta	ctgccccctt
105901	gaaaccaa	gtttatgtcc	cttccactgc	aggtcactgc	tgcttaagag	accctgacag
105961	gctgacctgc	acaggagccg	aaggcctgca	tggccacaga	cattaactgg	tggagatgga
106021	atcccactcc	attgaggaag	accaagtgga	acaccagggc	agaaggaaca	aagaagtaga
106081	aaggcattta	atttattgga	aaaaaaatga	gagagagaga	gaaagagaga	gagagaaagc
106141	aagagagaaa	gagagacaga	gagagagaga	gagagaaaaga	gagagagaga	aagcaagaga
106201	gacagagaga	cagagagaga	gagagagaga	gagagacaga	cagacagaga	gatcctaagg
106261	ggatgcagtt	agtataattg	gagtgtaaaa	agactttctg	taaccacaaa	catgatttct
106321	gaatgaagac	ttcaatagag	aaacagacaa	agagaataat	cactgtgaga	tgtttgggtct
106381	cttgatttaa	aagaaaagct	ttagacaaat	taaatttagc	agtttaattg	agcaaagaac
106441	aattcaagaa	tagggcagcc	cctaaaccag	agcaggctcc	gagtgaactt	gatgctgtct
106501	catagttgga	taggatttat	gggcagaaaa	aggaacgtga	tgtacagaaa	atggaagtga
106561	ggtagagaaa	cagccagatt	ggtgatggct	cagcatttgc	cttacttgag	cccagtttga
106621	acagctggcc	actgtgagtg	gctgaagtct	ggccgctgtg	attggctgag	acttggttac
106681	ttgctatgag	agtaggtgac	agtctgttta	cacatccagt	taggttacag	ttcactatgt
106741	acagagaaac	ttttaggctg	aatttaaaat	atgtaaggag	aaaagtttaa	gctaaactca
106801	ttaacaccta	gaagagagaa	ggtgttcatt	cgacaactaa	ttatggagca	cctactatgt
106861	gccaggaagt	gctttgtgca	aaatagaaga	acatgtaacc	caaatacagg	gtgaaactac
106921	aaagaaatgg	aagccataaa	tgaaactatg	agagacataa	accaaaaata	aaattctaag
106981	cccctgaact	gactgatgga	ccctcccctt	ggccaaaggc	attccaaagt	taacctgaaa
107041	aattagttca	ggccatgata	ggaatgggtg	gctaaacgtg	cctcattgta	ctctcctcct
107101	cttggaattc	aggcacaact	gatcagcatt	cacatcaaca	cagagatgtt	aagcccatta
107161	gaacagactc	tttaagattg	ataagaaaca	tttacaattg	attctacctg	aagcctgcta
107221	cctggaggct	tcatctgcat	gataaaaaac	tttgtttcca	caacccttta	tcttaaccta
107281	gacattccaa	gttttttagat	aataattcct	ttaagcagtt	gccaatcaga	aactctttga
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107401	cactgtccat	cttacatgta	ttgatctatg	tcttatgtct	ccctaaaagt	caaaaagaca
107461	agctgtaccc	caaccacctt	gggtgcatgt	tctcaggatc	tcctggggct	gcatcatggg
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107581	tcttttcatt	aacagacatg	aaagccagat	acagatgtaa	tatgcaagga	gtaaaagctc
107641	caaaaggaga	gagagtaata	tatggagaag	tgaaaaaat	caaagaaata	aaagaagaac
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107761	accccaaact	catttagcca	aagggaatg	tcaagctggg	aactgtgtca	tgcaaacctg
107821	cctcccctt	ttggttccta	aataagatgg	ctatgatgaa	aagctacatg	tctccacct
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108361	agatacacct	aggtatatac	tgaatacatt	ttaaaatgtc	caagagacag	gagaaacaga
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108721	tcagctgaac	aaaaatttaa	ttagaatgaa	tcaataaact	cctaaataca	gcaagaata
108781	tgcattataa	aactacagca	aatataatag	taacaaaaga	aacaaaaata	tgagagggat
108841	gttcatcact	actaccacta	cttgtttttg	gaattccaga	catggaataa	gaaaagaata

FIGURE 2 (cont.'d)

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109021	aaagaattca	gtaagggacc	aacacacagt	aaatgtaaga	aacaagtaat	ttacattttat
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109201	tgacacagga	tctagagagg	tggaagagca	cgctgtgttc	ctggatggaa	agactgaatc
109261	tcagtaaaat	gccaacacat	aacacagtta	tgtgaagtcc	aaagtaattc	tcattatgaa
109321	aaacttaaga	aagaacagtg	agatatgtaa	cagacattaa	cattttattag	aaagttatga
109381	taacccaaaag	ctgggtgctgg	ggtctcgagt	agaaaaatag	gctaacacat	aaagtgcgga
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111241	cactttgcc	tttactgctg	tgtgtgagtg	tgcatgtaac	acagacagat	gtgggtcacag
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111481	aactccaaga	ttgtgcagac	agtgcaaa	tcagtgtttc	ctgaacggaa	gcaaaggagg
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111901	tgggatggga	ggcagagctc	aagcacaacg	tgtgcaactgc	accaggtatg	gaagtctgga
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112081	taatggcatg	taagttttat	ttttgatttt	tcaattggga	aatagaatat	ataaaaatag
112141	tatggatatg	tatatatgca	cacacacact	cacacatgca	gaaaaatgta	caaaacacct

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FIGURE 2 (cont.'d)

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112321	cttggttattg	tttaagggttc	cgctatgaca	cacctcccta	aacaatttca	ttccaaagtt
112381	atgaattggc	cagacacgct	cctggccttc	ttccttcaac	actgcgtcag	tgaggtttgt
112441	ccatgttagc	agcagtttgt	tgattttcct	tgcagtgtag	aattttcctt	gacaatttgt
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112681	tcttaccaac	ttgtcctcct	gccgggtgga	tatgagtgtt	cccagccctc	tggatcttct
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113581	tatggcaagt	gtttgatgaa	acagggaccc	atacatggct	cgtgaaaact	ggttaaagat
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114301	tatgaaaaag	ttcataaaat	tcataattca	tacagaaaat	aggtattttt	ctggctctat
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115321	gtttcaccat	gttggccagg	ttggtctcaa	actcctgacc	tcaagtgatc	tgcccgctc
115381	aacctcccaa	agtgttagga	ttacaggtgt	gagcctccgc	gcttggcatt	cattcctttt
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FIGURE 2 (cont.'d)

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FIGURE 2 (cont.'d)

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118921	ttgctagtat	ttcgttgaaa	atgtttatat	ctatattgct	aagggatatt	ggtttatagt
118981	tttcttgtga	tgcctttagt	tttgggtataa	tatgggtatg	agacaatgaa	ttgggaagtg
119041	ttccttctat	ttcttaaaaag	agtttatgca	agatcagtat	taattcctta	aatgtttgat
119101	agaattagcc	agtgaagcta	tctgggtctg	ggcttctatt	tgtgggaaat	tttagaatta
119161	gtaattcaat	ctctttgggt	gtgattgttt	tattcagatt	aactatttct	tcatgagtca
119221	gttttggcag	tttgcgtctt	tctaggaatt	tgcgcatttc	atttaactag	tttgttggca
119281	tgcaattgtt	catagtattc	ttttttatta	attttaattt	ctgtattgat	tttccctcat
119341	tttatgagtc	tcatttttcc	ttttttattc	attttaattt	ctgtattgat	tttctcttat
119401	tgctcatttt	aatggtttga	atcctctggt	cagttggctg	aagagtgtgc	aattttattg
119461	ctgatcatgt	atcactttta	taattgaatt	gttataagaa	gacataagaa	gtaagaggca
119521	acccctacaa	tggagaacat	taaggtagac	tcaagctttt	ctgcccattc	ttcctacatg
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119641	gtaggtaagg	tgaagtttgg	ggattgtgca	cccacactgg	gagctgggtc	cttgggtgac
119701	ttccagcagt	gacaggccat	acactgtgga	aagggtttat	ttcataccat	gctcttgaga
119761	tagaagaaac	catggccccg	tggccactcg	atctgatgtc	ataactcacc	gatattgttt
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120121	attttctttt	ttttttttta	attctacttt	aagttctagg	atacatgtgc	acaacgtgca
120181	ggtttgttac	atatgtatac	atgtgtcatg	ttggtgtgct	gcacccatta	actcgtcatt
120241	tacattagtt	atatctccta	atgctatccc	tcccccttac	ccccacccca	tgacagacct
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120721	tgaactagtt	tacagtccca	ccaacagtat	aaaagtgttc	ccatttctcc	acaccctctc
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120901	tgtctgttgg	ctgcataaac	gtcttctttt	gagaagtgtc	tgttcatatc	cttcgccccac
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121021	gatattagcc	ctttgtcaga	tgtagtattt	gcaaaatttt	tttcccatct	ttaggttgc
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121561	atgatgcctc	cagctttgtt	cttttggctt	aggattgtct	tggcaatgcg	ggctcttttt
121621	tggttccata	tgaactttaa	cgtagatttt	tccaattctg	agaagaaaagt	cattggtagt
121681	ttgatgggga	tgacattgaa	tctataaaat	accttggggag	tatggccatt	tttatgatata
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121861	ttcttaggta	ttttattctc	ttttagcaaa	ttgtgaatgg	gagttcactc	ctgatttggc
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121981	atcctgagac	tttgcctgaag	ttgcctatca	gctttaagga	gattttgggc	tgagacaatg
122041	gggttttcta	aatatacaat	catgtcatct	ggaaacaggg	acaatttgac	ttcctctttt

FIGURE 2 (cont.'d)

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122101 cctaattaaa taccctttat ttctttctcc tgccctgattg ccctggccag aacttccaac
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122221 aatgcttcca gtttttgccc attcagtatg atattgggttg tgggtttgtc ataaatagct
122281 cttattatth tgagatacgt cccatcaata cctaatttat tgagagtttt tagcatgaat
122341 ggttggtgaa ttttgtcaaa ggccttttct gcatctattg agataatcat gtggtttttg
122401 tctttgggtc tgtttatatg ctggattaca tttattgatt tgtgtatgtt gaaccagctt
122461 tgcataccag ggatgatgcc cacttgatcc tgggtggataa gctttttgat gtgctgctgg
122521 attcgggttg ccagtatttt attgaggatt tttgcatcga tgttcatcag ggatattggg
122581 ctaaaattgt tttttttgtg tgtgtatctg ccaggccttg gtatcaggat gatgctggcc
122641 tcataaaatg agttaggagg gattccctct ttttctattg attggaatag tttcagaagg
122701 aatggtacca gctcctcctt gtacctctgg tagaattcgg ctgtgaatcc atctggctct
122761 gaacttttct ggggttggtag gctgttaatt attgcctcaa tttcagagcc tgttattggg
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123121 aaacaagtca acaaaggtct ctggttttcc taggcagagg accctgcggc catccgcagt
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125281 tggggggggc tggggggggg gggcgggggc gggggagata ggacgtggaa gaggagagat
125341 ggcagagggg agatggcaga gggagagctg aatcttctct tttcttcttt attagtcttg

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FIGURE 2 (cont.'d)

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125521	gccttctgct	agcttttgaa	tgtgtttgct	cttgcttctc	tagttctttt	aactgtgatg
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125701	cattgggtttc	aaagaaaatc	tttatttctg	ccttcatttc	gttatgtacc	cagtagtcat
125761	tcaggtgcag	gttggttcagt	gtccatgtag	ttgagaggtt	ttgagtgagt	ttcttaatct
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126001	ttagctccgc	ttgctggaga	gctgagttca	attcctggat	atccttggtt	actttctgtc
126061	tcattgatct	gtctaattgt	gacagtgggg	tggttaaagtc	tctcattatt	attgtgtggg
126121	agtctaggtc	tctttgtagg	tttttaagaa	cttgcttaat	aaatttggtg	gctcctgtat
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128581	tttacaaaag	ccaaatccag	ttcctcatcc	tcttgccac	tcactcagca	agccttggg
128641	cccctgcctt	tcagtgccta	gagaatcatg	ttcagatgca	agagccaggc	ttggttctca

FIGURE 2 (cont.'d)

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128821	agctgccttt	ttgctccagg	agaaaggcat	ttcgtggccc	ttgggtgggta	tctttaaatc
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130681	ctggaggcac	tcaacattca	tcatctctta	tctaccttaa	ggaaccagct	aatctcttgg
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130801	tgcggaattg	caacatgcca	agtttcaaaa	agagaatagt	tctgtctccc	ctgggtcccga
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130921	agcctggact	gacggcagaa	gagctcagca	gggcagggtt	caaggactga	cacagtgcct
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131041	tgacattcat	gttcacccaa	ggtgtagtgg	tgaatatatta	gatttaaggg	gtgatcatat
131101	ggtgagtaat	tgaatcactt	gtaggctggc	ccccctcatt	tccaggttgt	tcaagggatt
131161	ggttggtttg	ccatgtggtg	gattaataat	tggccacagc	tggacatggg	agctcatgac
131221	tgtaatccca	gcactttggg	aggccgagcc	gggtggatca	cctgagggtca	ggagttccag
131281	actagcctgg	ccaacatggc	aaaacccttt	ctctagtaaa	aatacaaaaa	ttagccaggc
131341	ttgggtggcta	cctggagcct	gtaaaccaag	ctccctagga	ggctgaggca	ggagaatcgc
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131581	gtctgggtgg	gctctgtgac	tgcttggacc	agtagaatat	gatggaagtt	acagtgtgcc
131641	agtttccagg	cccaagcctg	aagagattgg	cagcttccac	tttctgtctc	ttagaaaact
131701	tgctcttggg	agccagccat	catgtaagaa	atgcaggcac	ccagaggaca	ccattctgtg
131761	agaagcctta	aagaatgaga	ctccatatgg	acagagaggc	caaggagcct	agaggtgcca
131821	gacacatgac	agaagaaggc	ccagccccct	tcagctgatg	ctacatggcc	acagatgaac
131881	tgcccagtga	agcctttcct	aaattcctga	cctgcaagag	catgaacaaa	attaaatggc
131941	tgtttaaaagt	taccaaggag	gttggtttta	cagcagtaga	gagaatggaa	cttgctggac

FIGURE 2 (cont.'d)

132001	agctttctcta	tgctcaccct	ccaacctgtg	ctgtccctga	aagtgattgg	aatgagatgc
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132121	aggccaatca	ctccccagaa	cctttctact	gagggccgca	gctcctccaa	gggtgctgtc
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132241	gtgctgatgg	ccccgcactc	tgcatgggtc	ctctgcacat	gggcccacac	ctttgtgatg
132301	cccctttgtt	aaacctctcat	cctagtgtac	catctgtttt	ttgccaagat	gagctgaagg
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132421	agagccagca	ttttctaact	accagaaaaa	gagaagtgcc	ctgtccacaa	ccttccacat
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132541	acaaaaatcc	tcttaactcc	atgttcagaa	atattctgga	aatttggttt	cttaagtcaa
132601	attccacatc	agaaacgatg	ggatgtggcc	tggtagctta	agaacagcag	gtacagaata
132661	acttttttct	cctttgtctc	agttttctta	gctataaaat	gggggtaaca	gtcatctctt
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132781	aaagagtttg	acgctgtcat	ggcagaagca	gtggctttct	cttattacgg	tggctgcctg
132841	gcctttgaag	gcttatcttt	ccaggtttta	actgagagca	agctgaagg	ttatgactcg
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133261	actgtgatct	cacggagggc	aggctatgaa	ctagaaaagt	atgccacacc	ctggcaacta
133321	gagaagtgcc	catccagggg	catgtcccat	aggtatctgc	ctgtatggac	cctagttaacc
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133861	cctgggaagg	agaacaggca	atcaggccat	gcgtgggtct	ctgagccttt	gttctggagg
133921	tgtaagaat	ttgtcacccc	aaggatatgt	gctgtggcac	agggactacg	ttgaatgaaa
133981	agcacttaaa	aaaacagcag	gtgcaagata	ctctgacatt	cgtgctgttt	cttagaagca
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134221	ccttatcaca	tctcacgatg	attcattcaa	tgcagtatct	aagggggatt	gactctaact
134281	gcttcttggg	gtcttcattc	ttttaagagg	gtcccatgct	cacgtacaac	ttgtattaaa
134341	gaaatctgta	ggctttcgcc	catgaatctg	tcttatgccg	attctcagac	ctagctgaaa
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134461	ccttaaatga	actcctgaat	tcatttacc	aagacattca	ctgaaggcct	gcccctgaca
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134881	ttgccagcag	agctggagtc	acaccccagg	tctttccatc	atagccactt	cctctctttc
134941	cagttttcag	tggggataat	aagtgaagtga	aaatggtgag	gcttagatac	agggagcttg
135001	catggattcg	agtcgtcctg	ggacatttgc	agttcacagc	tgcatgggtga	tgccagagaga
135061	acagtgaagc	caagcagctc	tgetgcacct	gtggcattac	tgggtggcagg	gtgaggctag
135121	ccttgcagct	agaaggcacc	accccaggct	gtgtacagcg	cagctgcccc	ggcctctggg
135181	acaaggctgc	ttggccccct	ccctgccagg	ctcctgcttc	caggacacag	gcggctctga
135241	ggcaacagcc	atagcttctg	gagggctttt	gtctctgcag	caatggatgg	cagacaggaa

FIGURE 2 (cont.'d)

1007441.020702

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135361	ccccggactc	gatgccctcc	aaggcatggt	cttttttatt	ttgaggtgga	gtctcactgt
135421	gttgctcagg	ctggagtgc	gtggctcgat	ctcggctcac	tgcaacctcc	acttccaggg
135481	ttcaagtgat	tctcctgcct	cagtctccca	agtagctggg	actacaggca	cctgccacca
135541	catctgggta	agttttgtat	tttcagtaga	gacagggttt	cacctatgtt	gccaggctgg
135601	tctcaaactc	ctgacctcaa	gtgatccacc	tgccctcggtc	tcccaaagt	ctgggattac
135661	aggcatgagc	cactgtgcct	ggccccctga	aggcactttc	taagccagat	tcatcaaccc
135721	ttgaacttta	tccctggcgg	cagaacctag	agttctcagc	atgatggcaa	agtggaaggg
135781	gcgaggggta	tcatcctttg	tgcgagcgca	ggcatcccca	ttccatgccc	tgccctccaag
135841	ctgccaggag	gacctctgga	gggcttccta	agaggaatgg	gaacttgagt	gttttccaca
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135961	tgtggtcaga	aagcggaagc	ttcctccctg	tgctctgtag	tctaggccag	aggccctagg
136021	aacagtttct	gatgacagag	gagccaggcc	catgtggtgg	gatgacatgt	cttgggtcca
136081	gccacatgtg	gaccagcctc	ggccccacga	caatgcccct	cctgcaggga	gagtatcagc
136141	ctcatctgcc	acctctgaga	aagccttcct	gccacagctt	gtcctcagga	gagcagggcc
136201	acacacaagg	cctcgcccc	catggacagg	gtgggcaggt	tctgatggga	caggagtctc
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136501	agcttcaggc	aagtagctgg	atggcctggg	cacattgctt	cattctctga	agctgtttct
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137221	gcccgatgtc	tacctggggg	tgacgaccca	cacgaagaga	ctgagcagct	tctctgaggg
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137341	tcctggcccc	ctgccctacc	tacacctgca	ggcacctggg	ggagagcccc	tgagtttcac
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137461	cacagcagga	ggggggccagg	cctgcagtct	ggctgggtcta	tggccagccc	agccactttc
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137581	cttgacccaa	ctcagggagt	aaaagacaaa	gcttgatggc	tgtggttcta	acatcccagg
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137761	tcctctctgg	gccaagtaca	ctgggctgat	gctatatatt	tctatttgct	gtgacacatt
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137881	aggccctcag	gaagcactgg	gcctgggaat	ggccgagcga	gtgattatcc	tgctttacag
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138061	ccggaagcta	gaaggcccag	ctttgagccc	tggtttgtac	cctggatgga	gtgtaaaggg
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138241	atttcagatg	tggggaactg	ggagggcagg	gtccccgggg	gattcacacg	tgggaggagg
138301	aaggctggac	acagtttctg	gggacagaag	tgggtggcgt	ggtgggtgag	atgctggaga
138361	gaaacaaggg	aaacctgcaa	ctcaccggcc	tcatttcaca	aggggccact	ttgctgattt
138421	tgcttggttc	ttttaacttt	ttattggata	tgtagtttta	aagcttttga	atatttcggc
138481	aaagagtcag	ttggtcagtt	ttcatgtgag	ctttctatca	gcatttttag	aaagttttca
138541	tctgtctttc	atcagatctc	tgctgttgct	gggacagggg	gacggatctc	tctgcggaag

FIGURE 2 (cont.'d)

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138721	gatgagagag	ggggaggcta	tggggaagag	ctgaggaaaa	caagggacgg	agagagggat
138781	tggggtagtg	gatagggaga	ccaaggggca	gagaaggggg	aaaatgtggg	acagagagcc
138841	ggagattgag	ggagcagaga	aggggcctct	gagaggtggc	tggaagacag	agtgtagagg
138901	aaaattcaga	gcaaaaaaga	agggagagtt	gtagggtaga	gagcagaaac	ggggggcatt
138961	tagggaactg	ggagcagggg	aaggaagagg	aggcagaaga	gggggcagaa	tgtagggaaa
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139081	tattttatgct	ccactaatat	attcccattc	acaagaagga	ggtattctag	aattaatttt
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141781	gggtcctgga	cacccccagt	cctgtccggg	ccgccccgac	gggcccctcg	cgcccccgcc
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FIGURE 2 (cont.'d)

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142021	ccacgggggtg	aagtacggtc	cnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
142081	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
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142201	acaagtgggc	gcctctgcct	ggccatccca	tctgggaggt	gaggagtgc	tctgcccggc
142261	caccccgctc	gggaagtga	gagcgtgtct	accagccac	cacgtctggg	aggtgaggag
142321	cgcttctgcc	tggccgcccc	atctgggaag	tgaggagcgc	ctctatctgg	ccacccttc
142381	tgggaagtga	ggagtgcctc	tgcccgccg	ccaccccgcc	tgcgaggcga	ggagcacctc
142441	tgcccgcca	ccaccccatc	tgagaggcaa	ggaccacctc	tgcctggccg	ccatcctgtc
142501	tgggaggcga	ggagcacctc	tgccagccg	ccgccccacc	taggaggtga	ggagcgcctc
142561	tggccagccg	ccccacctgg	gaggcgagga	gcgcctctgc	ctggccgccc	catctgggag
142621	gtgaggagcg	cctctgcccc	gccaccaccc	catctgggaa	gtgaggagcg	tctctgccag
142681	gccgccccgt	ctgggaagtg	tacccaacag	ctccgaagag	acagcgacca	ttgagaacgg
142741	gccatgatga	cgatggcggt	tggttactgt	gtctgtgtag	aaagaagggtg	acataggaga
142801	agagatcaga	ttgttactgt	gtctgtgtag	aaagaagggtg	acataggaga	caccattttg
142861	ttctgtacta	agaaaaaatc	ttctgccttg	ggatgctgtt	aatgtacaac	cttaccacca
142921	accccggtgt	cgctgaaaca	tgtgctgtgt	caactcaggg	ttaaatggat	taagggtggt
142981	gcaagatgtg	ctttgttaaa	cagatgcttg	aaggcagcac	gctcattaa	agtcatcacc
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143101	ctaggaaaa	cagagacctt	tggtcacctg	tttatctgct	gaccttctct	ccactattat
143161	actatgactc	tgccacatcc	ccctctctga	gaaacaccca	agaatgatca	ataaatacta
143221	aaaaaaca	ttaattaatt	aaataaattt	catatggaac	caaaaaagat	ccctgcattg
143281	caagtcaatc	ttaagccaaa	ggaacaaaag	tggaggcatc	acactacctg	acttcaaact
143341	atactacaag	gctacagtaa	ccaaaacagc	acggtactgg	tacaaaaaca	gaggtataga
143401	ccaatggaac	agaacagagc	cttcagtaat	aatgccacat	atgtacaact	atctgatctt
143461	tgacaaaact	gacaaaaaca	agaaatgggg	aaaggattcc	ctatttcata	aatggtgttg
143521	ggaaaaactg	ctagccaata	aatggtgtag	ggaaaaactg	ctagccatat	gtagaaagct
143581	gaaactggat	cccttcctta	catcttatac	aaaaattaat	tcaagatgga	ttaaagactt
143641	acatggtaga	cctaaaacca	tcaaaaccc	agaagaaaac	ctaggcaata	ctaggcagga
143701	cataggtcatg	ggcaaggact	tcatgcctaa	aacacaaaaa	gcaatggcaa	tgaagccaa
143761	aattgacaaa	tgggatctaa	ttaaactaaa	gagcttctgc	acagcaaaa	aaactaccat
143821	cagagtgaac	aggcaacca	cagaatggga	gaaaaatttt	gcaatctact	catctgacaa
143881	agggtctaata	tccagactct	acaatgaact	caaacaaatt	tacaagaaaa	aaacaaacaa
143941	ccccatcaaa	atgtgggcca	aggaaaagaa	cagacacttc	tcaaaagaag	gcatttatgc
144001	agccaaaaaga	cacatgaaaa	aatgctcatc	atcactggcc	atcagagaaa	tgcaaatcaa
144061	aaccacaatg	agataccatc	tcacaccagt	tagaatgggtg	atcgtaaaaa	agtcaggaaa
144121	caacagggtg	tggagaggat	atggagaaat	aggaatactt	ttacactgtt	ggtgggactg
144181	taaaactagt	caaccattgt	ggaagtca	gtggcgattc	ctcagggatc	tagaactaga
144241	aataaccattt	gacccagcaa	tcccattact	gggtatatac	ccaaagtatt	ataaatcatg
144301	ctgctataaa	gacacatgca	cacatatggt	tattgtggca	ctattcacaa	gagcaaagac
144361	ttggaaccaa	cccaaagtgc	caacaatgat	agactggatt	aagaaaatgt	ggcacttata
144421	caccatggaa	taccaagcag	ccataaaaaa	tgatgagttc	atgtcccttg	tagggacatg
144481	gatgaagcta	gaaaccatca	ttctcagcaa	actattgcaa	ggacaaaaaa	ccaaacactg
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144601	catcacacac	tggagcctgc	tgtggggtgg	ggggttgggg	gagggatagc	attaggagat
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144721	tatgtaacta	acctgcatgt	tgtgcacatg	taccctaaaa	cctaaagtat	aataataaaa
144781	aaataagctt	ataaaatgct	tttaatgcta	tataacttta	taactctgaa	agaataatag
144841	atttgtatta	tgctgtcagt	gagtaggtct	attaagtgat	aacattaaac	acaaatacca
144901	ccattttata	agtatgattt	tgatatcatc	ggttggtgat	tttcacccca	aactctgtag
144961	atagtaactt	tgttttctca	tttgaccatg	ctcaatcttt	agagaccatg	ctcttctctc
145021	aaaatgactg	taggttcatc	caagtatggt	tgctacccaa	aatcaatgaa	acacagtcac
145081	aactatgtct	gtctaggaat	aaagccagct	aattagattc	ttatttctaa	gaacaagaag
145141	agggcaggtg	agaatttgat	tatggcagaa	ttctgacctc	aatcaataac	tgttttctat

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FIGURE 2 (cont.'d)

145201	tttttctcca	tgttgctcgg	tggttcatac	ctgactttca	tcatttccaa	tgattcctgt
145261	ttgttttgtt	tataaatctt	aaaatcatca	tgaaaagttt	cactgaatga	aaacctgaaa
145321	attgggaaat	aaacattttt	ctgcaaaaaa	aaaaaaacaa	tgaacactga	cttctcctat
145381	ttctcaaagt	catctcaaag	ccatatgagg	attaccacaa	acttgcaggt	gagaaaattc
145441	tttgcaatgt	aagaagtgcc	atgcaaatta	gttgatgcta	ttataattag	tctcagggat
145501	caaaaatgct	tgaaccctaa	atctaacact	tcaaaggaaa	gcattatttt	tcattcattt
145561	tacaagttac	acctcccttc	ttccccacat	ctttgtttag	aatctggacc	ctgaagttag
145621	aggaccaaga	ttcaaatccc	agcctcatca	gtactagcta	tgtgatattg	ggaatgttac
145681	ttgatccctg	cttatcttac	tttctgcatt	tattaaatgg	ggatgagaa	aatatctacc
145741	caaataaggt	gccccaatga	gtgccccaca	gcatgaagcc	caataaaggt	tagttaacat
145801	cacatccata	attgacacct	ttaggtatta	gattttcatc	atcccagaac	attttccttc
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145921	ttgaaacgtt	caaacacaca	agatgccatt	taggagacat	tggaaacttg	gtttccttct
145981	ctgtaaaact	gagtaatgac	agtcacctcc	cagggctgtt	gtaagaatga	atgagctaga
146041	gtatgtaaaa	tatcttagca	cagagtgtct	aagaaattat	tagttccagc	caagcgtggt
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146161	ggagttcaag	accacctggt	caacatggtg	aaaccccgct	tctactaaaa	atacaaaaaat
146221	tagccaggcg	tgggtggcatg	tgcattgta	cccagctact	caggaggctg	agacaggaga
146281	atcacttgaa	cccaggaggt	ggaggttgca	gtgagccgag	atcgtgccat	tgcactccag
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146401	agaaagaagg	aaagaaagag	agagagagaa	agaaagaagg	aaagaaagaa	agaaagaagg
146461	aaagaaagaa	aaagaaagaa	agaaagaagg	gaaagaagga	aagagacaga	aagaaagaag
146521	ggaagaaaga	aagaaagaaa	gaaagaagaa	aagaaagaaa	gaaagaaaga	aagaaagaag
146581	ggaagaaaga	aagaaagaaa	gaaagaagaa	aagaaagaaa	gaaagaaaga	aagaaagaag
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146761	gaacaaaact	gagaagatca	catcgcatat	gcactcagcc	tctagtggga	gacacaggca
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147061	atgagtatga	gaattggtct	tccttctgaa	aaaacaagaa	ttgagttcac	actaatcaca
147121	aatacatcaa	gcctatttga	gtcttgtgtg	tgtcatggat	tgaagtgtat	ctttccactt
147181	agtcaagaag	ttccaatgag	aagaatgctc	cttaacttcc	taagtgcac	agagtagttg
147241	aactgagcca	tggatggtaa	atctacttaa	gaaagcacat	gccatggaaa	gatagcattg
147301	gctgccttgc	ctacttctga	tggcacagcc	ttgcaggaag	ggaaagaagc	caagaggcaa
147361	aagcctggtc	ttgttctgaa	aggcacaagg	aggtggaaga	ttaggggaaa	ctcacccaaa
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147661	gttctaattg	ttgacagcag	agtaggagaa	ctatagttaa	cagtaataata	ttgtatactc
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147781	aggtaatgga	taccctaaat	atcctgactt	gatcattaca	cagtctatgc	gtgtaacgaa
147841	ataccatag	taccccataa	atatgtacaa	atattatgta	tcaataaaaa	tttttaaaaa
147901	gaagctgcaa	tcaacatttc	atcattatct	tttcagcagc	atccttcaaa	agttacagag
147961	acatcttaag	atgtatccct	cttcctctga	atcttcctgg	gatagaacaa	atgaaaacta
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148081	tatgagcttc	ctctgtccta	gagtagagct	gggaaaatag	agtcttgaca	attgatttct
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148261	atgtttgaag	ctggccaaaa	gaagatgtag	tcacacaaga	taccctctgg	aggaaagtga
148321	ctgtcaggaa	agtcactttc	ctgaccagca	aaaggaccag	cactattttg	tcctgtctgaa
148381	aggtacatt	tgtcctgctg	ctgtcatggg	gacagtggct	ccagggtctc	ctgtggacat
148441	gccacaagtt	ccactccatg	agtcaggaga	tcattgcggct	agctgggggg	aacttagggg

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FIGURE 2 (cont.'d)

148501	tgctctcttg	agcttagcct	tatgctgctg	gtctgctttg	ccaaccacaa	aaacgatagt
148561	ttcatagcaa	gttgcaggct	ccctggaaac	ttaacctacc	tactaggata	catttacagc
148621	tgcttttctc	ctggcatcag	gctggagatc	aagaaataca	taaaacatag	tccctgccct
148681	cagtttagctc	agaatatggt	gggggaatgg	agacagaagc	aaatactggt	gggacaagtg
148741	acgatggggc	aaaatatggt	cttaaacaaa	ggttgtggga	gctcagaaaa	ggagcaactc
148801	actctgcctg	aaagagtcac	ggagggctcc	acggaaaaag	caacatttgt	gcaggaggag
148861	attagaacac	agaggagaag	gatagcagca	ctccagatga	aggggaaggaa	atgtgccaaag
148921	atttcatggg	aatgagaaga	tgtaaaactgc	tcaggaaaaa	ccatggttga	agctcttcac
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149041	tcaactattc	aaccaagcac	tgatctaggt	attgctgtga	aggtattttg	tagtcgcaat
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149161	ctgatccact	tcatcccaaa	ggtaaatgat	tctccaacag	tgttctcatc	tacatctagg
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149281	agaacttcca	gccctgtggt	tgtagtttca	ctttatgttc	aaccagtatg	tctccacttt
149341	tattctgctt	cttgtaagat	ttcatctgaa	aaagggaatt	cactcttcag	gtgttggaag
149401	tcaattatga	gagaagcact	tacagaatga	ctatctgaag	agctctgcag	acattctcca
149461	gagtaaaaaa	accataaccg	gtgaaaatta	aaaacaaaca	aaataaaaaa	atgttagagt
149521	attggaaatt	gttctaaggg	ccgacagcaa	atgaagaaat	ccaagaaagc	ctaccaattt
149581	cagtgaagag	agtgaagatc	tatggtgttg	agtctatggt	gtttaagttc	tgttcatttc
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150481	ctagcaattg	ctggaggtta	acagttgggt	atgataccaa	aagaggcaaa	caactgaaca
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150661	tggaaatagg	cttcaactata	tagtctagcc	aggcaattaa	acaaaataac	aattaaacaa
150721	cagtaacata	gtgagggggg	cagaaatgag	tattgcaact	agctagaaca	tatttttgaa
150781	caaaaaaatt	atgagtcaag	cagagatatg	gaaaagacag	agccatacac	cagaaaaaag
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150961	gatggtatga	taatttcttg	tcaattcaaaa	aataccaata	atagattaaa	aatatttttt
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151081	acatttttgc	agaggaaatg	aacaatagat	ttgtaccaga	aggaaaaata	atcaaataaa
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151501	caatcagtgt	tgttttcatc	agcataaaaat	aatgggttat	aagatagtat	ttgcaagcct
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151681	ggagagaag	atcacaaaaa	aaccagaaaa	taaataacaa	aatggcaagc	aagtccttat
151741	ttgtcaataa	taatattgaa	tgtaaatgga	ctatactctc	cagtaaaaaa	atacagagtg

FIGURE 2 (cont.'d)

151801	gttgaatgga	ttaaaaaaaaa	ggacccaatg	atctgttacc	tacaagaaat	aaacttcact
151861	tataacaata	cacagactaa	aaataaagtc	atgggaaatg	atacttcacg	acaatggaaa
151921	ccaaaaaaga	acaggagtag	ctataccttt	atcagactaa	atagatttca	agacaaaaat
151981	tgttaagaaa	aaccaaataa	ggtcattata	taatgataaa	gagatcagtt	aagcaagagg
152041	atgtaacaat	tgtaaataata	tatgcaactca	acattggagc	acctagataa	ataaaacaaa
152101	tattattaga	gctaaagaaa	gatagacccc	ctcccccaaa	acaataatag	ctgtagattt
152161	caatgctcca	ctttcagcat	tggacagatc	ttccagacag	aaaatcagca	aggaaacatc
152221	agatgtaatc	tgaactatag	accaaattggg	cctaataagt	atttacagaa	tatttcattcc
152281	aaagggttaca	gaagacacat	ttttctcctt	agcacatata	tcatttctcaa	gaacaggcca
152341	tatattaggt	catgaatcaa	gtctcaaaac	attcaaaaaa	actgaaataa	tctcaagcat
152401	cttctttgac	cacaatggaa	taaaactaga	aaccaataac	aaggggaatt	ttggaaacta
152461	tacaaaaaca	tggaaattaa	acaatatggt	cctaaatgat	aagtgggtca	atgaagaaat
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152581	cctatgggat	acaacaaaag	cagtaccaag	agtgatattt	ccagataaag	gcctacatca
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152701	aaaggttaaac	caaaccocaaa	attagttagaa	gaaaagaact	aataaagatc	acagttagaaa
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152821	cccagcatga	ttggcacaga	agatgggtga	tttctgcatt	tccaactgag	gtaccagggt
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153121	cccatgccca	cggagcctgg	ctcactgcta	gcacagcaat	ctgagatcaa	ctgctgaggg
153181	tgcagctggg	tggggggagg	gtgtgcagcc	attgctgagg	actgagttag	taaacaaagt
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153961	gtaataacaa	actactccaa	actaaaggag	catgttctaa	cccattgcaa	ggaagctaaa
154021	aaaccttcaa	aaaagggttag	acaaatggct	aactagaata	aacagtgtag	agaggaactt
154081	aaatgacctg	atggagctga	aaaccgtggc	atgaggacat	catgatgcat	gcacaagctt
154141	aaatagctga	ttaaatcaag	tgggaagaa	aatatcagtg	actgaagatc	aaattaacaa
154201	aataaagcaa	gaagataaga	ttagagaaaa	aagagtataa	agaaatgaaa	agcacctcca
154261	agaaatatgg	gactatgtga	aaaaacccaa	tctacacttg	attggtgtac	ctgaaagtga
154321	tggggagaa	gaaaccaagt	tggaaaacac	tcttcagaat	actatccagg	agaacttccc
154381	caaaactagca	aggcaggcca	acattcaaat	tcaagaaata	cagagaacac	cacaaaagata
154441	ttcctcaaga	agagcaaccc	caagacacat	aattgtcagc	ttcaccaagg	ttgaaatgaa
154501	ggaaaaaaat	gttaagggca	gccagagaga	aacgttgggg	taccaacaaa	gggaagccca
154561	tcagactaaa	agtagctctc	tcagcagaca	ccctgtaagc	cagaagagag	taggggtcaa
154621	tattcaacat	tcttaaagaa	aataattttc	aacccagaat	ttcatatcca	gccaaactaa
154681	gcttcataag	tgaaggagaa	ataaaatcct	ttacagacaa	gcaaatgctg	agagattttg
154741	tcaccatcag	gcctgcctta	caagagctcc	tgaaggaaac	actgaacatg	gaaaggaaac
154801	actgttacca	gccactgcaa	aaacacgcca	cattgtaaa	accatcgatg	acatgaagaa
154861	actgcaacaa	ttaactggca	aaataagcag	ctcacagcat	aatgacagga	tcaagttcac
154921	acataacaat	attaacctta	aatgtaaaatg	ggctaaaatgc	ctcaattaaa	gacacagact
154981	ggcaaatgac	atagagtcaa	gacccatcag	tgtgcggtat	tcaggagacc	catctcacat
155041	gcaaaagacac	acatagggat	ggagggaagat	ccaccaagca	aatggaaagc	caaaaaaaaa

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FIGURE 2 (cont.'d)

155101	aaaaaaaaaa	aaaaaagcag	gggttgcaat	cctagtctct	gataaaacag	agtttaaacc
155161	aacaaagatc	caaagagaca	aagaaaagcca	ttacataatg	gtaaaaggat	caatacaaca
155221	agaagaacaa	actatcctaa	atatatatgc	aaccaatatg	ggagcaccca	gattcataaa
155281	gcaagtctgt	agagacgtac	aaagagatgt	agacttccac	acaataataa	tgggagactt
155341	taacactcca	ctgtcaatat	tagacagatc	aatgacacag	aagggtcaca	aagatatcca
155401	ggacttgaat	tcagctattc	accaagtgga	cctaatagac	atctacagaa	ctctacaccc
155461	caaataca	gaatgtacat	acttctcagc	accacatcat	acttattcta	aaattgacca
155521	cataattgga	agtaaaacac	tcctcagcaa	atgtaaaaga	acagaaatca	caacaaactg
155581	tgtctcagac	tacagtgcaa	acaaattaga	actctggatt	aataaactca	ctcaaaatca
155641	cacaactaca	tggaaactga	ataacctgct	cctgaatgac	tactgggtac	ataatgaaat
155701	gaaggcagaa	ataaagatgt	tctttgcaac	caataaagaac	aaagacacaa	cataccagat
155761	tctccgggac	acattttaaag	cagtggtgtac	agggaaaatt	atagcactaa	atgccacaa
155821	gagaaaagcag	gaaagaacta	aaatcaacaa	cctaacatcg	caattaaaag	aactagagaa
155881	gcaagagcaa	acacattcaa	aagctagcag	aaggcaagaa	ataactaaga	tcagaaacaga
155941	actgaaggag	atagagacac	aaaaagcact	tcaaaaaaat	caatgaatcc	aggagctggg
156001	ttttaaaaaag	atcaacaaaa	ttaatagacc	gctagcaaga	ataataaaga	aaagagagaa
156061	gaatcaaatt	agactcaata	aaaaaagata	aaggggatat	caccactgat	cccatagaaa
156121	tacaaactac	catcagagaa	tactataaac	acctctacat	aaataaaacta	gaaaatctag
156181	aagaaggggg	aggagccaag	atggccaaat	aggaacagct	ccagtctaca	gctcccagcg
156241	tgagtgcac	agaagacggg	tgatttctgc	atttccatct	gaggtaccgg	gttcatctca
156301	ctagggagtg	ccagacagtg	ggcacaggtc	agtgggtgcg	cgcactgtgt	gcgagccaat
156361	gcagggtgag	gcgttgccctc	actcgggatg	tgcaaggggt	cagagagttc	cctttcctag
156421	tcaaagaaaag	gggtgacaga	tggcacctgg	aaattcgggt	cactcccacc	tgaatactgc
156481	acttttccaa	cgggcttaaa	aaacggcgca	cctggagagt	atatcccgca	cctggcttgg
156541	agggtcctat	gccccacggag	tcttgctgat	tgctagcaca	gcagtctgag	atcaaactgc
156601	aaggcagcgg	cgaggctggg	ggaggggcgc	ctgccattgc	ccaggcttgc	ttaggtaaac
156661	aaagcagctg	ggaacctcaa	actgggtgga	tcccaccaca	gctcaaggag	gcctgcctgc
156721	ctctgtaggc	tccacctctg	ggggcagggc	acaggcaaac	aaaaagacag	cagtaaccac
156781	tgcagactta	aatgtccctg	tctgacagct	ttgaagagag	cagtggttct	cccagcacgc
156841	agctggagat	ctgagaacgg	gcagactgcc	tcctcaagt	ggtccctgac	ccctgacccc
156901	cgagcagcct	aactgggagg	catccccgag	cagaggcaga	ctgacacctc	acacagccgg
156961	gtactccaac	agacctgcag	ctgagggtcc	tgtctgttag	aaggaaaact	aacaaacaga
157021	aggacatcca	cacaaaaaac	ccatctgtac	atcaccatca	tcaaagacca	aaagtagata
157081	aaaccacaaa	gatggggaaa	aaacagagca	gaaaaactag	aaactctaaa	aggcaaacgc
157141	cctctcctcc	tccaaaggaa	tgcagttcct	caccaggaat	ggaacaaagc	tggacggaga
157201	atgactttga	cgagctgaga	gaagaaggct	tcagatgatc	aaattactcc	gaactacggg
157261	aggacattca	aaccaaaggc	aaagaagttg	aaaacgttca	aaaaatttag	aagaatgtat
157321	aactagaata	accaatacag	agaagtgcct	aaaggagctg	atggagctga	aaaccaaggc
157381	tcgagaacta	cgtgaagact	caggagccga	tgcgatcaac	tggaaagaa	ggatcagcg
157441	atggaagatg	aaatgaatga	aatgaagtga	gaaggaaagt	ttagagaaaa	aagaataaaa
157501	agaaatgaac	aaagcctcca	agaaatatgg	gactatgtga	aaagacccaa	tctacatctg
157561	attggcgtac	ctgaaaagtga	cggggagaat	ggaaccaagt	tggaaaacac	tctgcaggat
157621	attatccagg	agaacttccc	caatctagca	aggcaggcca	acattcagat	tcaggaaata
157681	cagagaacgc	cacaaagata	ctcctcgaga	agagcaacac	caagacacat	aattgtcaga
157741	ttcaccaaaag	ttgaaatgaa	gggaacaatg	ttaagggcag	ccagagagaa	aggtcggggt
157801	accctcaaag	ggaagcccat	cagactaaca	gcggatctct	cggcagaaac	tctacaagcc
157861	agaagagagt	ggtggccaat	attcaacatt	cttaaggaaa	agaattttca	aaccagaatt
157921	tcatatcag	ccaaactaag	cttcataagt	gaaggagaaa	taaaatcctt	tacagacaag
157981	caaattgctga	gaaattttgt	caccaccagg	cctgccctaa	aagagctcct	gaagggaagt
158041	ctaaacatgg	aaaggaacaa	ccggtaccag	ccgctgcaaa	atcatgccaa	aatgtaaaga
158101	ccatcgaggc	taggaagaaa	ctgcatcaac	taacgagcaa	aacaacctgc	taacatcata
158161	atgacaggat	caaattcaca	cataacaata	ttaactttac	atgtaaatgg	actaaatgct
158221	gcaattaaaa	gacacagact	ggcaaattgc	ataaagattc	aagacccatc	agtgtgctgt
158281	attcaggaaa	cccatctcac	gggcagagac	acacataggc	tcaaaataaa	gggatggagg
158341	aagacctacc	aagcaaatgg	aaaacaaaaa	aaaggcaggg	gttgcaatcc	tagtctctga

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FIGURE 2 (cont.'d)

158401	taaaacagac	tttaaacc	cacagatcaa	aagagacaaa	gaaggccatt	acttaatggt
158461	aaagggatca	attcaacaag	aagagctaac	aatccta	atatatgcac	ccaatacagg
158521	agcaccacaga	ttcataaagc	aagtcctgag	tgacctacaa	agagacttag	actaccacac
158581	attaataatg	ggaaacttta	acacccccact	gtcaacatta	gacagatcaa	caagacagaa
158641	agtcaacaag	gatacccagg	aattgaactc	agctctgcac	caagcagacc	taatagacat
158701	ctacagaact	ctccacccca	aatcaacaga	atatacattt	ttttcagcac	cacaccatac
158761	ctattttcaaa	attgaccaca	tacttggaag	taaagctctc	ctcagcaaat	gtaaaagaac
158821	agaaattata	acaaactgtc	tctctaacca	cagtgc	aaactacaac	tcaggatgaa
158881	gaaactcact	caaaactgct	caactacatg	gaaactgaac	aacctgctcc	tgaatgacta
158941	ctgggtacac	aacgaaatga	aggcagaaat	aaagatgttc	tttgaaacca	atgagaacaa
159001	agacacaaca	taccagaaat	tctgggatgc	attcaaagca	gtgtgtagag	ggaaatttgt
159061	agcactaaat	gcccacaaga	gaaagcagga	aagatccaaa	attgacaccc	taacatcaca
159121	attaaaagaa	ctagaaaagc	aagagcaaac	acattcaaaa	gctagcagaa	ggcaagaaat
159181	aactaaaatc	agagcagaac	tgaaggaaac	agagacaaaa	aaaacccttc	aaaaattaat
159241	gaatccagga	gctggttttt	tgaaggatc	aacaaaattg	atagaccgct	agcaagaata
159301	ataaagaaaa	aaagagagaa	gaatcaaata	gatgcaataa	aaaatgataa	aggggatatc
159361	accaccgatc	ccacagaaat	aaaaactatc	atcagagaat	actacaaaca	cctctatgca
159421	aataaactag	aaaatctaga	agaaatggat	aaattcctcg	acacatacac	tctcccaaga
159481	ctaaaccagg	aagaagttga	atctctgaat	agaccaataa	caggagctga	aattgtggca
159541	ataatcaata	gcttaccaac	caaaaagagt	ccaggaccag	atggattcac	agccgaattt
159601	taccagaggt	acaaggagga	actggtacca	ttccttctga	aactattcca	atcaatagaa
159661	aaagagggaa	tcctccctaa	ctcattttat	gaggccagca	tcctcctgat	accaaagccg
159721	ggcagagaca	aaacccaaaa	agaggatttt	agaccaatat	ccttgaggaa	cattgatgcc
159781	aaaatcctca	ataaaatact	ggcaaacc	atccagcagc	acatcaaaaa	gcttatccac
159841	atgatacaag	taggcttcat	ccctaggatg	caaggcttgt	tcaacatatg	caaatcaata
159901	aatgtaatcc	agcatataaa	cagaacccaa	gacaaaaacc	acatgattat	ctcaatagat
159961	gcagaaaagg	cctttgacaa	aattcaacaa	cacttcatgt	taaaaactct	caataaatta
160021	ggtattgctg	ggacgtatct	caaaataata	agagctatct	atgtcaaacc	cacagccaat
160081	atcatactga	atgggcaaaa	actggaagca	ttccctttga	aaattggcac	aagacagggg
160141	tgccctctct	caccactcct	attcaacata	gtgctggaag	atctgtccag	ggcaatcagg
160201	caggagaagg	aaataaaggg	tattcaatta	ggaaaagagg	aagtcaaat	gtccctgttt
160261	gcagatgaca	tgattttata	tctagaaaac	cccattgtct	cagcccaaaa	cctccttaag
160321	ctgataagca	acttcagcaa	agtctcagga	tacaaaatca	atgtacaaaa	atcacaaagca
160381	ttcttataca	ccaacaacag	acaaacagag	agccaaatca	tgagtgaact	cccattcaca
160441	attgcttcaa	agagaataaa	atacctagga	atccaccta	caagggatgt	gaagcacctc
160501	ttcaaggaga	actacaaacc	actgctcaac	gaaataaaaag	aggatacaaa	caaatggaag
160561	aacattccat	gctcatgggt	aggaagaatc	aatattgtga	aatggccat	actgccaag
160621	gtaatttaca	gattcaatgc	catccccatc	aagctaccaa	ttactttctt	cacataattg
160681	gaaaaaacta	ctttaaagtt	catatggaac	caaaaaagag	cccgcacac	caagtcaatc
160741	ctgagccaaa	agaacaaggc	tggaggcatc	acactacctg	acttcaagct	atactacaag
160801	gctacagtaa	ccaaaacagc	ttggtactgt	tacaaaaaca	gagatataga	tcaatggaac
160861	agaacagagc	cctcagaaat	aatgctgcat	atcgacaact	gtctgatctt	tgacaaacct
160921	gagaaaaaca	agaaatgggg	aaaggattcc	ctatttaata	aatggtgctg	ggaaaactgg
160981	ctagccatat	gtagaaagat	gaaactggat	cccttcctta	caccttatac	aaaaattaat
161041	tcaagatgga	ttaaagactt	aatgtcaga	cctaaaacca	taaaaaccct	agaagaaaaac
161101	ctaggcatta	ccattcagga	cataggcatg	ggcaaggact	tcatgtctaa	aacacccaaaa
161161	gcaatggcaa	caaaagccaa	aattgacaaa	tgggatctaa	ttaaactaaa	gagcttctgc
161221	acagcaaaag	aaactaccat	cagagtgaat	aggcaaccta	cagaatggga	gaaaattttt
161281	gcaatctact	catctgacaa	agggtcaata	ttcagaatct	acaaagaact	taaacaaatg
161341	ttcaagaaaa	aaacaacccc	atcaaaaagt	gggcaaaata	catgaaaaga	cacttctcaa
161401	agaagacat	ttatgcagcc	aacagacaca	tgaaaaaatg	ctcatcatca	ctggccatca
161461	gagaaatgca	aatcaaaacc	acaatgagat	accatctcac	accagttaga	atgacgatca
161521	ttaaagtcag	gaaacaacag	atgctggaga	ggacatggag	aaataggaat	gcttttacac
161581	tggttggtggg	ggtgtaaatt	agttcaatca	ttgttgaaaga	cagtgtggca	attcctcaag
161641	gatctagaac	tagaaatacc	atttgacc	gcaatcccat	tactgggtat	ataccgaaaa

FIGURE 2 (cont.'d)

161701	gattacaaat	ggtgcaacta	taaagacaca	tgcacacgaa	tgtttattgt	ggcactattc
161761	acaatagcaa	agacttctaa	caaaccacga	tgtccatcaa	tgatagactg	gattaagaaa
161821	atgtggcaca	tatacaccat	ggaatactat	gcagccataa	aaaaggatga	gttcatgtcc
161881	ttttcagggg	catggatgaa	gctggaaacc	atcatttctca	gcaaactatg	acaaggacag
161941	aaaaccaaac	accgcatgtt	ctcactcata	gatgggaact	gaacaatgag	aacacttgga
162001	cacagggcag	ggaacatcac	acaccagggc	ctgttggggg	gtggtggact	gggggagaga
162061	tagcattagg	agaaatacct	aatgtaaattg	atgagttgat	ggatgcagca	aaccaacagg
162121	gcacatctat	acctatgtaa	gaaacctgca	ctttgtgcac	aggtacccta	gaacttgaag
162181	tataataaaa	atgaaaaaaa	gaaaatgtta	ctagcaaatt	gtagatgggt	atacctaata
162241	taactctgca	tgtgcactat	gtgtctggat	acacatggaa	agtattcagg	catacacacc
162301	aaattgttaa	aataaatccc	cttccaacat	taggagtggt	tggggagcag	atggctttca
162361	cttccgcaca	ttccatgggtg	ccagggtaat	accacatcac	aatagtaaatt	agcaaaaata
162421	acaaccttaa	gttttagattt	tcttatctaa	attttaattc	tgtgaagaag	tttccatttc
162481	cctttttcac	acaggatagt	agaatgcagt	ttagaaagag	tgagatcact	tgtagactg
162541	tacaattttt	aagcatcagc	gaagtatacc	attaaacttc	tctatcaatc	catttcttaa
162601	acttcccaac	ccccaaaaaa	agaaacacat	aaaattgaaa	tgaagaaaaac	aatacaaaaag
162661	atcaacaaaa	atgaaagggtt	ggctttttaa	agagataaac	aaaattgaca	aatgtttagc
162721	cagactaaga	aaaagagaag	gcccaataaa	ataaaatcag	agatgaaaaa	gcagacatta
162781	taactgatac	tgcggaattt	caaaggatca	ttaatggcta	ctatgagcaa	ctgtatgcca
162841	aacattggaa	aatattgaag	aaatagataa	attcgtagac	acacgcaacc	taacaagatt
162901	caaccatgaa	gaaattcaaa	atctgaacag	accaaaaaca	agtaacaaga	tcaaagccat
162961	aattaaaatt	ttcccagcaa	agaaaagcct	gagacccaat	ggcttcactg	ctgaattcta
163021	tcaaacattt	aaagaactaa	taccaatcct	actcaaaacta	ttccaaaaaag	tagaagagga
163081	gggaatatatt	ccaaactttat	tctatgaggc	cattactgct	cctatatcaa	aaccaaggac
163141	acatcaaaaa	aagaaaacta	taggccataa	tctcacatga	atattgatga	atcctcaaaa
163201	aatgctagca	aactgaattc	aactcacat	taaaaatcat	tcattatgac	caaattggat
163261	ttatcccagg	gatgcaaata	tggttcaaca	tatacacatc	agtcagtgtg	acatatcata
163321	tcaacagaat	gaagaagaaa	aaccatattg	tcatgttaat	tgatgctgaa	aaagtatttg
163381	agagaattaa	acatctcttc	atgacaaaaa	ccctcaaaaa	cactggagac	agaaggaaaca
163441	tacctcaaca	caataaacag	acatatatga	cagactcaca	gctagaatca	tactaaatgg
163501	ggagaaactg	aaagtcattc	ctctaagatc	tggaaacaaga	caaggatgct	catttttcacc
163561	agtgttagtg	gaacatagta	ctgaaagtc	tagctagaac	agactagagc	cagaaataag
163621	gggcatccaa	actgggaaga	gagaagtcaa	attacctttg	ttcgcatag	gtatgatctt
163681	ctgttttgaa	aaacctagac	tccataaaaa	aatgattaga	actgataaat	tcagtaaagt
163741	ttcaggatac	aaaatttaaca	tacaaaaatc	agtagcattt	ctatatgtca	atagcaaaaca
163801	atctgaaaat	gaaatcaagg	aagtaatccc	atttcccatt	tgcaatagct	ataaataaaa
163861	ttaatataat	ctcatctctt	caataagtgg	tgttgggaaa	actgcatatc	cacatacaaaa
163921	agaataaaaat	tagacccttt	taatatacaa	aactggaccc	aagttaatat	acaaaaatta
163981	acttgaaatg	aattaaagac	ttaaattgtaa	gatctgaaac	caaaaactcc	tagagagaaa
164041	cataggggaa	aagctccttg	acgttggcct	tggcaataat	tttttgggat	attacaccaa
164101	aagcacagac	ttttgaaaaa	ataaacaagt	aggactacat	caaaactaaaa	agcttctgca
164161	tggcaaaaga	aagtcaacaa	catgaaaagg	caacctacag	aatggaggga	aatatttgca
164221	aaccatatac	ctgatgagaa	gttaatatca	aaatatagaa	aatatataag	gaactcacat
164281	atctcaatac	caaaaaaata	ataacctgtt	ttataatggg	caaaggacct	gaatagacat
164341	tttttcaaag	aagacacaca	gatggccaac	gagtgcagga	aaaagcgttc	aacatcacta
164401	atcatcaggg	aaatgcaaatt	caaaaaccaca	atgagatatac	actccacacc	tgttaggaaa
164461	gctattatga	aaaacacaag	agacaattgaa	tattggcaag	ggcatggaga	aaaaagaacc
164521	cttgtacact	gttggtagaa	atgtaaattg	caacagcctt	tatggaaaat	agaatggagg
164581	ttcctcaaaa	aataaaaaata	gaactaccat	acaatctagc	aattccactt	atgagtgtac
164641	atccaaagga	atcaaatacac	tatgtcaaag	agatatctgt	acttccctgt	ttattgcagc
164701	tttactcaca	gtagccaaga	taaggaaaaa	atctaaatgt	ccatcaacgg	ataaagaaaa
164761	tgggggggag	ggtgtgcatg	tatacataca	caatggacta	tttttcagcc	ataacaaaaga
164821	aggaaaccct	gccattttgtg	acgatatgaa	tgaaccacaga	ggacattatg	ttaagtgaag
164881	taagccagac	acagaaatac	aaatattgta	tgatctcatt	tatatgcgaa	tctaaaaatt
164941	tcaaacttga	agacgaataa	gtagaacagt	atttatcagg	agctagggga	tgtgggggaag

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FIGURE 2 (cont.'d)

165001	aagcaaaaata	ttggggcaaag	agtataaaact	ttcagtttatg	agatgaaggc	caggtgcgat
165061	ggctcatggt	ggtaatccca	atacttttga	aggctgaggc	agaggggattg	cttgagacca
165121	gcctaggcaa	gaaagtgaga	cctcatctct	acaaaaaata	aaaataaaaag	aatcagctgg
165181	gagtgggtggc	atacacctgt	agtcccagct	agtcaggagg	ctgagggggg	aggatcattt
165241	gaaattggaa	agtcaaggct	gcagtcagcc	aagatagtgc	cactgcattg	cagcctgggt
165301	gacagagcga	aaccctgtct	caaaaaaaaa	aaaaaaaaaaa	agatgaataa	gttctgggga
165361	tcaaattgtac	agcatgggtga	ctatagttta	taactgcgtt	attacttgaa	attggataag
165421	agcagatttt	aagcatcccc	agcacccccc	caacatacac	acacacaaat	ggtaactata
165481	ggtgggtgata	gatatgttaa	tttgactgtg	acaatcagca	ttcaatatat	acatatatca
165541	aatcatcaca	ttttaccct	tgaatataga	actttgattt	gtcaatcaaa	tattttaaaa
165601	cgaaaaataat	cataatatta	atatagcata	caggaaaaaa	tttcgtatct	cgactgatac
165661	agaaaaatttc	atgataaaaa	cacttttaaaa	caaaagaaat	aaaaggggaa	tccttcaacc
165721	tgataaatgg	catctgtgga	aacccccagc	tagcatcaaa	cttaatacac	aaaggctggg
165781	tgttcacctc	ttgaaccagg	aacaagacaa	agatgcctgc	ttttgccact	tccatttgac
165841	cttgactga	ggttctggct	agggaatta	tccctgaaaa	agaaataaaa	ggcttccaaa
165901	taaaagaaga	agtaaaaacta	tctctactcg	ctcatgacat	gatcttgcac	atagaaaatg
165961	tgcacatgta	cacacacaca	aaccattaga	actaataaac	aagttcagca	agtttgacga
166021	atataaaatg	aatgtacaaa	aatcaagtgt	ttttctatat	actagcaatt	aacaatctca
166081	aaatgaatta	aaattccatt	tacaatagta	tcaaacataa	attatttaga	aataaaaagt
166141	gcactgaaaa	ctacaaaata	ttttgaaata	aatcagaaaa	gatttaagta	aatggatcac
166201	ttgaacctgg	gaagcagagg	ttgcagtgtg	ccgagattgt	accactgcac	tttagcctgg
166261	gcaacagagg	gagactccaa	agagtcgaaa	agaaaagaaa	agattttaa	aagctgaaac
166321	atattctatg	gatcagaaga	cttaatatgt	ttaaagtgc	aatattcccc	aaattgatct
166381	acagcttcaa	ctcaaccct	atcaaaaatcc	tagcttgctt	tttggtgaa	attgacaagc
166441	tgattctata	atatttatgg	aatctcaaag	gatccagaat	aacccaaaac	atatgaaaaa
166501	ataaagaaca	gcgttggtgg	attaacattt	tccaatttca	aaacttacta	tagcactgcg
166561	gtaatcaagc	agtgtggcac	tgtatagcat	gtacattaca	gatcagtgga	ctagaatcaa
166621	tgtccagaaa	taaaccgtta	tgtttataat	gaattacttt	ttaataaggt	gtcaagacaa
166681	cgcaatggga	aaagaataat	gaattcaaca	aatgatgcat	ggacaaccgg	acatgcacat
166741	gcaacacaat	gaatttgaat	tcttctatcg	ctccatgcat	aaaaactaac	tcaaaatggg
166801	tcacggatgt	aaatgaaaag	ctaaaactat	aataatccta	gaggaaaacc	taggagtaaa
166861	tctttaagat	gttattgtag	gcagtggttt	ctcagatagg	accccaaaat	cacaagcgac
166921	aaaagaaatt	ggactttaaag	ttaaataactt	ttgtgcttca	aacatcatca	agaaagttaa
166981	aacacaaccc	gcagaagcaa	taaaaatgtc	tgtaagtcat	gtatccgatt	agagacttct
167041	atccaggata	tataaataat	gcaattcaat	gataaaaaag	ataaatagcc	cagttttcca
167101	aagagtcaag	catctgaata	tacatctctc	caaaaatata	cagatatcca	acaagcatgt
167161	gaaaagatgt	tcaaagccat	ttgccagggtg	cacaaaccca	agacagtatg	aggagatgct
167221	acagggactc	tgctgcttca	cagacatgaa	gcgttggtga	gaatgtaggc	agccgccttt
167281	ggggacttca	catccccgcc	gccccacgca	cggtgagcta	gtgtttaaac	ttagccgaga
167341	tcaatacacg	cgactgtgtg	cccgtcagac	cctgcgctgc	cggcggggct	gggagagggc
167401	ggcgccagga	gtgggcggga	acctgggggt	caggccccag	ccgcgggaag	ccgcccagga
167461	gcgcgcgaaa	ccttctccac	acccttccag	gcatttgccc	gccgcgattc	agagagccga
167521	cccgtgaccc	ctggcctccc	ctagacagcc	ccgcatgtcc	agatgtgccg	tcccgcctgc
167581	ctcccgcgac	cactggccat	ctctgggcct	gggcgcggtc	tcggcgcccc	cctgcccccg
167641	ccaggagccg	caggtccagc	cagtgaagaa	gcccgcgctg	aaggagcctc	tgtgctccag
167701	aatccatcct	cagtatcagc	gctgggggtg	cctcctccag	gaagcccttc	tgattctctc
167761	atgggtcgct	cttccctctg	agaactcccg	agcacccttg	ctccaagtac	cgcaagtggc
167821	actgagaact	tggggagagc	agaggctgtg	cctagatttg	tagggagtcc	ccgcagctcc
167881	acccagggc	ctacaggagc	ctggccttgg	gcgaagccga	ggcaggcagg	cagggcaaa
167941	ggtggaagca	attcaggaga	gaacgagtga	acgaatggat	gaggggtggc	agccgaggtt
168001	gccccagtc	cctggctgca	ggaacagaca	cctcgctgag	gagagaccca	gaagcagggc
168061	ccctgccccg	cccagggcga	ggtcccgcgc	agtcggcgcc	gcgtgaagag	tgggagagaa
168121	tactgcgggg	gcggggggcg	ggggcggggg	ggggcggggg	gccgcccggg	gcctggagcc
168181	agaccggggc	gggcccggac	cgggcccagg	acagtggggg	aggaggctgc	gggctgagcg
168241	accctgaccc	ccccagtc	gcgctggttc	cgg		

FIGURE 3

```

1      gggcgccgag gctccccgcc gctcgtgct ccccgccccg cgccatgccc tctacacgg
61     tcaccgtggc cactggcagc cagtgggtcg ccggcactga cgactacatc tacctcagcc
121    tcgtgggctc ggcgggctgc agcgagaagc acctgctgga caagcccttc tacaacgact
181    tcgagcgtgg cgcggtggat tcatacgacg tgactgtgga cgaggaactg ggcgagatcc
241    agctggtcag aatcgagaag cgcaagtact ggctgaatga cgactggtac ctgaagtaca
301    tcacgctgaa gacgccccac ggggactaca tcgagttccc ctgctaccgc tggatcaccg
361    gcgatgtcga ggttgtcctg agggatggac gcgcaaagtt ggcccagatg gaccaaattc
421    acattctcaa gcaacaccga cgtaaagaac tggaaacacg gcaaaaacaa tatcgatgga
481    tggagtggaa ccctggcttc cccttgagca tcgatgccaa atgccacaag gatttaccce
541    gtgatatcca gtttgatagt gaaaaaggag tggactttgt tctgaattac tccaaagcga
601    tggagaacct gttcatcaac cgcttcatgc acatgttcca gtcttcttgg aatgacttcg
661    ccgactttga gaaaatcttt gtcaagatca gcaacactat ttctgagcgg gtcatgaatc
721    actggcagga agacctgatg tttggctacc agttcctgaa tggctgcaac cctgtgttga
781    tccggcgctg cacagagctg cccgagaagc tcccggtgac cacggagatg gtagagtgca
841    gcctggagcg gcagctcagc ttggagcagg aggtccagca agggaacatt ttcacgtgg
901    actttgagct gctggatggc atcgatgcca acaaaacaga cccctgcaca cccagttcc
961    tggcgcgtcc catctgttgc ctgtataaga acctggccaa caagattgtc cctattgcca
1021   tccagctcaa ccaaatcccg ggagatgaga accctatttt cctcccttcg gatgcaaaat
1081   acgactggct tttggccaaa atctgggtgc gttccagtga cttccacgtc caccagacca
1141   tcacccacct tctgcgaaca catctggtgt ctgaggtttt tggcattgca atgtaccgcc
1201   agctgcctgc tgtgcacccc attttcaagc tgctgggtggc acacgtgaga ttcaccattg
1261   caatcaaacac caaggcccgt gagcagctca tctgcgagtg tggcctcttt gacaaggcca
1321   acgccacagg gggcggtggg cacgtgcaga tgggtgcagag ggccatgaag gacctgacct
1381   atgcctccct gtgctttccc gaggccatca agggccgggg catggagagc aaagaagaca
1441   tcccctacta cttctaccgg gacgacgggc tccctggtgtg ggaagccatc aggacgttca
1501   cggccgaggt ggtagacatc tactacgagg gcgaccaggt ggtggaggag gaccgggagc
1561   tgcaggactt cgtgaacgat gtctacgtgt acggcatgcg gggccgcaag tcctcaggct
1621   tccccaaagt ggtcaagagc cgggagcagc tgcgagagta cctgaccgtg gtgatcttca
1681   ccgcctccgc ccagcacgcc gcggtcaact tcggccagta cgactggtgc tcctggatcc
1741   ccaatgcgcc cccaaccatg cgagccccgc caccgactgc caagggcgtg gtgaccattg
1801   agcagatcgt ggacacgctg cccgaccgcg gccgctcctg ctggcatctg ggtgcagtgt
1861   gggcgctgag ccagttccag gaaaacgagc tgttccctgg catgtacca gaagagcatt
1921   ttatcgagaa gcctgtgaag gaagccatgg cccgattccg caagaacctc gaggccattg
1981   tcagcgtgat tgctgagcgc aacaagaaga agcagctgcc atattactac ttgtccccag
2041   accggattcc gaacagtgtg gccatctgag cactactgcca gtctcactgt gggaaggcca
2101   gctgccccag ccagatggac tccagcctgc ctggcaggct gtctggccag gcctcttggc
2161   agtcacatct ctctctccga ggccagtacc tttccattta ttctttgatc ttcagggaac
2221   tgcatagatt gtatcaaagt gtaaacacca tagggacca ttctacacag agcaggactg
2281   cacaggcgtc ctgtccacac ccagctcagc atttccacac caagcagcaa cagcaaatca
2341   cgaccaactga tagatgtcta ttcttgttgg agacatggga tgattatttt ctgttctatt
2401   tgtgcttagt ccaattcctt gcacatagta ggtacccaat tcaattacta ttgaatgaat
2461   taagaattgg ttgccataaa aataaatcag ttcattt

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FIGURE 4

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1  ttgcacgetn ctcagccccg gctgtactat tgggtctacac gtgccatcgt ggtttgctgc
61  acccatcaac ccatcatcta cattaggtat ttctcctaata gctctctttc cccttgcccc
121 ccacctcta acacgccctg ttgtgtgatg ttgacctccc tgtgtacatg tgttgtcatt
181 gtacaactcc tgcttatgag tgacaacatc tgtctgattt tctgtcttgt gttagtttgc
241 tgagaatgat ggttcccatc ttcactcttg tacctgcaaa ggacatgaac tcatccttta
301 atatggctgc ttagaatccc acagtataga tgtgcctcat tttctttatc cagactatca
361 ttgatgggca tttgggttgg atccaagact ttgctattgt gaacagtgat tcaataaaca
421 tacgagtgca tgtgtcttta tggatgaatg attgataatc ctttgggcat ataccacta
481 atgggattgc tggacctaat ggtttgcctg gatcctgatc cttgaggaat caccacactc
541 tcttacagtg taaaagtgtc tctatatata ctcatccctc ccagcatctg ttatttactg
601 actctttaat catcaacctt cttactggag agagaagggt taattaccac taatgacgag
661 cctttaatca aattgttgtt ggaccttcc caacttactt gcgaaggggt catttgtaaa
721 cttacgccac cttttgatgg ggcagttttt ctctgtttatc cgcaaagatc ctgggggacc
781 ctttttttta actcttttga agaccgttat atctgaacaa tttctcccat accgagaggt
841 ggcggtttac aaccttgaa agtttctttt tttttttggg gcccttagt ttcaaaaaa
901 tcccttcgga ccaatttgcc tttgttgcc aaggaatttt tccccctaag tcactaggaa
961 tttttccag ggcacacagg tgtagtggcc tttcccagaa tttttctctt ggggatccaa
1021 tgttataaga aaaaaaattg ggaattttt ttaaacctcc aataaaattt tttatagaga
1081 taaggccggt ttcatttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
1141 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncgc
1201 ggtcttcagc cgtggtgaa gactgattaa cagtcataag aaggtaaagc tctaagtac
1261 ctgtaagaaa catacagtct cacacaatta ggcaaggagt ccaacttgga agaaagagtg
1321 gcatagattc aaacctgat gccacaactt atgttaacct tctgaggct caacttctca
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1501 ccactttatt cactttctgt taagcctgaa agaagtactg aatgacatca acgagtgcga
1561 ttcaacaaat ataatttgag cactgattac tcaataagca ttatgaggaa ctaaaatatt
1621 atcagcaaat gatggctgac atagaggaaa tgtgacagag taggaagatc cctgtactcc
1681 ctgtatcaaa ggactgagat tcttccactc aggaccatgt gtgaccccaa cagaaagtag
1741 aaattttacag aaagatacct ggcaaacac ccaaatagtt tgaagttaaa aaatatacct
1801 ctgaataaca ccccatggaa atttttaaag attataatgt gaattaaaat gaaaacatat
1861 aaccataaca aaaattgtag gatacaggaa aactggtgct catatagcat catatgttta
1921 cattacattt tagagaatca acttaattca attatctaag tttctatttt agaaaactat
1981 gtaaaaaaag gagagcatat ttaaaaagta agcagaagaa caaaagataa gcatgacaga
2041 caatgaaatt gaaaatggaa aaatcataga gaagaatcaa atgaatcaa agtagtttct
2101 tggaaaagat caataaataa aattgggtga tataatttac tgatattagg agtgggaaag
2161 ataactactg atcatagatc catgatgaac aagcttattt caataaatta ataaactcag
2221 caacttcaac aaaatggaca gattacttgg aagacaccaa ttaccaaaag tcaaaaaaag
2281 agaattctaa tagtcctata tttatgaaaa aaaaaaacia aactgaattt gtatttaaaa
2341 actttgccac aaagaaaatt ttaggttcag atgggtttcc taataaattt tttccattta
2401 gtaagaataa tatcaattct acacaaactc attcaaaaaa aaaggagaga gaatacttta
2461 caacacgttc tgcaagggtc gtattacctt gataccaaaa caaaggatat tacataaaaa
2521 cgacaccaat atccttcatg aacatagatt ctccaccacg gggctggaag gatccgnnnn
2581 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
2641 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatag cagcccttg agccctggt
2701 gaataataaga gattaggcta cagcgtgttc tactccaact ttatttgctt tctgagcatc
2761 taattccact ttgcaaaatg gacatttttt tttctcttg agagtcagga aattaccagg
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2881 tatttcagtg ggtgtttata tgcttttggt tgcatagcac gagccaaagg cagataaaaa
2941 atgtgggctc cagatagtga ctcaatctcc agaaatcata atgtcagtta cacaatgata
3001 tttctatatt ggcatacaaa aataatccac ttgtcatagg ataattgctc tagatgaggg
3061 catggagctg tgctgaggaa tctgccattt ttctttatcc agactctgtc tcataccgac
3121 cacaggcccc aatcattgtc tatcaaaaaa catgcttgtg tctcttttgg cttactatga
3181 aaggaagcaa gatcttttcc tcaagcattt aagtgttgac tgtgggctac ccagtgtgct
3241 agacactgng gatcaaattc tgtgaggtta aaaatacccc ataactcact ggatagaaat

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FIGURE 4 (cont.'d)

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3301 tcaaaatgct cgctatgttg attctatgat caacttccaa ggggaccttt ntacctccta
3361 tcttcatcag caagcaacta cattgatttt gtagccagg atctattccc acgtcaaccg
3421 tgggtttcaa atgtttgtct tagctcaatg gcctcttaag ccactaacc ccaatgttgc
3481 tttttaccag taaaaaagtg catctgggga ataagttggt gtatatttgt gggtcagcca
3541 gcccatagat cgtccagagg acccaggct taggaggaat cctcagattt gagagccact
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3721 gctctattgt gaagaatcaa agaaagaact cataaatata ccttttgtgc ctgtattttg
3781 aatgtacgtt gtgcatgtaa gcctttgtgg ttaagcaaat gtcaagaaaa tccctagtc
3841 cattgcttac agtcaatatg gggcaattca agcaaagtat atgcctctaa tatggtttga
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4441 ccaaagaatc aagaccaaac gtccagctta tcaaattttc tctggacctt tannnnnnnn
4501 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
4561 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncctgtggg aagacttcca cgtgaacttt
4621 aaagtagttt tttccaattc tgtgaagaat gtcattggta gcttgatggg gatggcactg
4681 aagattttct tcatttttat gactgcatag cattccatgg agtatatgta ccacattttc
4741 tttatccaat tcactgttggt tgggcacctt ggtcaattcc atgactttgc tgttgtgaat
4801 agtactgcaa tgaacatgtg agtgcattgt tctttttgga ggaataattt gttctctttt
4861 ggatatatac ccagtaattg ggttgctggg ccaaattgga gttctgtttt aagttctttg
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4981 tgagcattcc cttttctcct cagctccacc aacatctgtt gctttctgac tttttgataa
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5581 ttctgtaggt tatctattta atctgttgat agtgtctttt cttgtacaga agttgttcag
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6421 tgcaagcttg aattggttct tagcctgaat gttattgggt tatagaaata ctactaattt
6481 ttgccatcca ttttgtatcc tgaaacgtcc ctgagtcatt tgtaatttcc cagaggcttt
6541 gtggagtctt taggttttct atttttagaa tctattcttc ccaaagagaa atactttccc

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FIGURE 4 (cont.'d)

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6601 ctctcttttc ctaatcggac ccctttatatt attcctttgc ccaaggcttg gaaagccctt
6661 ccatactttt ttaaaaagaa cgtggaaaaa ggcccccttc ttattctcgt ttaaaggaac
6721 cttccatttt cgctgtcaaa tggnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn
6781 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn
6841 nnntttgttg ggaatatccg gtgcttatte ctcttcagga gtttttattct tccaaaaatg
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6961 ggtgcggtaa gctagacatt tttagtttgt agtgatttgt ttcgtttgtg tttgtatggt
7021 tttgtgcccc tagtcacttc tgtaatgttc gtttctgagt ttcctttggg gggattaacc
7081 tgccactgaa gtgtcagctt ccctgtcatg ggactgtcct tggaaatgaca ggttttcctt
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7201 ctgcacagga agcctccact tcgtgcacca ggctgcctg cagcagtgga tcaagagctc
7261 cgacacgcgc tgctgcgagc tctgcaagta tgatttcac cagcagacca agctgaagcc
7321 actgagaaaa gtacgtggga ggaaggatg cttcaccctt cctgaaacca gtgaccccca
7381 gaaagctggt gtctcagatc atgaggtcat ggcttgctg cgttcatttc cttaaaaagc
7441 tggggctggt gcttacattt gcattgtaga gattgttgtt tctggtgctg attttcaagt
7501 ccctcttctc aggaagaagc tctttctgac cattcataat ccttcttttc ccttcaaagt
7561 aagactgctt gcttgtcggg gtcagtcctc tggcctttga ctacagactg tttgtgacat
7621 atcttagcac ctaattttat acatattaac tgttgacgtc ctgcttctct gattaggact
7681 gtctgttgga gattagtatc tcccagcac ccagcacagt gtagcataca gtaaatatat
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8281 cctagaaagg tgaaggtgaa cattgacagg gtgtcaagct acgtgcgttg taggaagtag
8341 cagggagcat ggggcaactg ggcactgact ctgtattata ggtaggaaga ccagggaaact
8401 tgctagtgtg taaaatccca gcagaaaaca accagattta gagaaggctt gtgcaaaactg
8461 cttaaaaaaa tgttttgccc agtagaaacc ttgtaattta ttgggtgcct actctatgct
8521 aatctctcaa catgggaagt ccttgaggct ctattttcaa ctaccctgca tagactcac
8581 tggaaagagg ctgtgactag ggttggaaca ggatatgtgc agagtgttta cacattgttc
8641 tttctctcta cctttatgtg ttttctcctg attcggaaac cagtaaatga aaaagaaagt
8701 ctggctattt ggagtaaatt aatgagctcc tagaggagat gggactagca gagtctgctt
8761 gtaccaggaa ctcttagcgt cgatttcgag ctgttgctgc caaagtagca aggaccaaag
8821 agtgagcgtc ttctgccatt caccttcaca atgtagtgtg acccatctgc tagtgtgttg
8881 tggcatcatc aacctctctc ttccgctcgt ccattgccagt cagcacatca gggagactta
8941 aaacgtagta cctgggtcct gggccaacat actgttttca ttaggactga aatcatagaa
9001 ttctttatca ggccatctta tgtctgttg caagaataag cagacaaggg gatttttgat
9061 ggtagttctg cattcatctt gatcctggct tcttttcatt gcatagaaag ttggctgcac
9121 ctggtacctg gttgaagcca agtggtttta ggagaacaat acttggggga atgcatctag
9181 tttgggaagg gagaagtggg gtggaaagcc aatcttacct acctacaatg ctctacccc
9241 accggagccc tccccagaa gcctgagcct cacactctgt gttgtctttc tagtgggaga
9301 agttgcagat gacgtccagc gagcgcagga agatcatgtg ctcaagtaca ttccacgtca
9361 ttgccatcac atgtgtggtc tggctcctgt atgtgctcat tgaccgtact gctgaggaga
9421 tcaagcaggg gcaggcaaca ggtgagttct caggctggag caagctcagc atgggggccc
9481 ggatagctca caggatcct ggggtcagag gattttccag tttagccaaa acgtctgggt
9541 ttccggagga gggacatcag ttaggaggca ctagcctcct ttttggcatt tcttttgctg
9601 tgggtgtagt ttttgaaacc cagtcaggag agttcatatt ctggagcatg agaatctccg
9661 caaactacat cctataaaaag caggaagtag ctggacactg tcttccactc ttctttgact
9721 gagcaacatt ggatgagttg tgaatccatt ggtcagtggg gcaggcttgt ggtccccaga
9781 tacttgaggc tgagggatgg aggattgctg aggtcagga gttcaaggct gtagtgtgcc
9841 atgatcacac ctgtgaatag ccactgcact ccagcgtggg caacatagca agactccatc

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FIGURE 4 (cont.'d)

9901	tcttaaaaaa	caacaacaac	aacaaaggtc	ttcaccaggg	atctgcctag	gtcagcgagg
9961	tggttcacat	agannnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
10021	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnggagtg
10081	acttcacccc	gtggtgaaga	tgcggcacag	actggcggtt	cctacggcgc	cttcactgga
10141	aagcgccctt	gtggtcctgg	ggagagggcg	gctccatccg	ccacccttcc	cggagctgcc
10201	cccgccattt	ctcatgggag	gaaatcgag	ggcgtgtgag	cccccagccc	ctcgcccca
10261	cctctgccag	gaccggccgc	atctctgcac	tgtcccgcgc	cactgggaag	gaaactctct
10321	ttctcaattt	cctttaatga	ggacattgtc	ttttcagccc	tgccaccccc	tgcaatcgtc
10381	ttccaggctg	caaacagcga	gtggggaggt	gaacacatca	gcttttcttc	cctccacacc
10441	accaggaaat	ttcgcaaac	acttggtctt	cggcggcctg	gcctcgccac	acctgtgccc
10501	acagtctctc	tccgctgcag	ccccctgtgc	cattctccag	gccccacgta	cctctgctg
10561	ggcccagtaa	gacctggta	gatggcccc	ggctgcaaa	ccttctggg	ccccatcaga
10621	gaggacgccc	agggtgaagc	agggtccctt	gcccaccctg	caagcgcagg	ggcccttcca
10681	agagtgcagc	cctaggcccg	tgtgtgatgg	tggagacgcg	gtcccagagg	gcctgaacca
10741	agaatggaga	agacaaagc	tgtcttttag	gagaaacttc	cctgaggggc	tgatgtgtgc
10801	gatcccattt	taatctcaca	accctgggga	ggagctgggg	ccgggtctca	ttgttcattt
10861	gaggacaccg	aggctcaggg	aacttagacg	actttcctag	ggtcccccca	acccccaccg
10921	gcccagggcc	ctctcccagg	cacccctcat	ccccacacag	gctcctctaa	gctgcttctt
10981	tgtggtccag	cccccttggc	tcagctcctc	aaatacaggg	acacctcttc	tctccccgcg
11041	agaactcaag	ggtctccatc	cactgtgcca	gcacagaggc	ggtgctcaga	gtggggctaa
11101	gcttactgtc	cagcctgctg	ggccaggagg	ggcagaaggg	ccccctcag	gattccttcg
11161	ctctgtctct	gccaataggc	catcactcaa	ggggctaata	acaggacgat	gtggagaaac
11221	gtgggctgca	gcacttctgg	ggccaagggc	agggtgggcg	gcactgggga	gtacagggga
11281	ggggacctca	ctggggccag	aggcttctag	aagcttctgc	aagaaggggc	ccctcaccca
11341	tgtcttgccc	aagaagtggg	gagggtgggt	gtggcaaagg	aaacagctag	gtcagagaca
11401	agagatgctc	tgcaaaagcc	tgtggctccc	ccacgggtga	gcacccctat	catgtaggac
11461	ctgagagatg	gcaggggccc	gtgcgtccct	atggatgtat	ctccatttct	gggcagagac
11521	atctgggctc	tcacctgcaa	ttgagccaac	caagaaatta	tatttacttt	ttagagcgag
11581	cctccaacaa	attatacaag	cacttgagaa	taagccctcc	cactgtcttg	agagatggag
11641	cccaggagg	cagctggaaa	gatgtcctg	ccctcactca	ggagagatgg	tggagctggg
11701	agaggaggag	gcactccctg	ggaccagca	gatggacttg	actcagcaaa	tagatgcaac
11761	catatgtggg	gggtggggag	gcccagaaag	gcattacagg	ccagtgttct	taatcctggc
11821	tatacactgg	aatccaccag	tagccctaaa	atataactgt	gctgggactt	ccctgggtcc
11881	acagttttgt	cagagtgggc	agcatggagt	ctgtaacact	aaacacacag	gattgagaac
11941	catatgtcta	ggctgttgtt	agccatgatg	gggatacatg	aaaaggaggt	gcacagttac
12001	cttctatacc	acaggatagg	tgtcatttaa	accctgttaa	aatggactgt	gaccagctg
12061	gcactcaggg	gcactcaggg	gccagggtgg	tcacactttc	attttaatat	gatttaatat
12121	gcacctatct	tgtgacagct	gctaagatac	agaggctcct	gagatacaga	gatgacaatg
12181	accttcagaa	acactgaaca	gagataagaa	aggcacagtc	tggccttcac	tccaccatta
12241	attcctccat	ccatccatcc	atccatctat	ccatccatct	ctctgtctat	acttccatcc
12301	atccaccatc	cattcaccat	ccaccatca	atccatccac	ccatctatcc	atccatccat
12361	ctcactatct	gtcatccatc	catccatcca	ccatccatga	atccatccat	ccgtatatca
12421	atctctcatc	tatctctcca	tccatccccc	atccacctct	tcttccatcc	ttcctccttc
12481	ccttcatcca	tccattcatc	atccatccct	caaccatcc	atctgcctgt	ccatcggttt
12541	gattgtccat	ctgtccagta	ttcttccatt	ccctccaaac	tgggtggcag	tactctccac
12601	ctcactacct	caccatcctt	attattccct	ccaaactgtc	tctttcacaa	gggccttctg
12661	tcctgcctgt	ccatccctgg	tctgggacct	atcccaacta	agctacatgg	ctttgatcaa
12721	caatcccaat	cccagagtag	gggaagggaa	gtgagccctt	aactgccgtg	atgtttccag
12781	ggagatggtg	gatactgctg	cattactaat	ccagatgtta	ggtttttaatt	tttctctcca
12841	gtagacccca	attgtggtag	gagaaaaatg	ccccagcttt	ggacacaaac	agacctggat
12901	tcaaattcctg	gttttgccaa	tttctgccta	aatgacttta	ggcaaaactcc	ttgaccttga
12961	ccccttgagg	actcagtttc	ctcacctaga	aatgggtcaat	aatattattt	acctccagg
13021	atggccatga	agcttaaaat	agattattgt	acccccaaaa	acaccgacac	aatgttttag
13081	aataaataat	attatttttaa	gctttgaagt	ctggctgggt	tctcagcctc	gtctacctgc
13141	tgggtgtgca	gactcaaaag	cagggtccca	ccctcataga	ctgtcatctg	tgggtgtggg

FIGURE 4 (cont.'d)

13201	g ttggcctgg	c actagcagg	t gctaatgct	c ctacagagga	t tctaggtgt	a aaaggaaat
13261	g aaaaatcttt	g gaccccaat	t cactctgcc	a aaaggga	a attaagctg	a aagctgagt
13321	g atgcaagaa	a cgaagatag	c tacaagataa	a aggtgaaaa	c ctccacagg	t agctcttgg
13381	t gttcacctt	a tcaagtgtc	g atgtactaa	g cgcaagagg	a atacataac	t gactattcc
13441	c ctacctgct	c cttttcttt	t gcaacatgt	g gattcagta	a cgtgaccat	g ccctccctt
13501	t cttccttcc	a gcctgttct	c ctttaaata	t tgatgccct	t aaagacatc	t tcggaaaaa
13561	g gcacagtcc	a ccaactgtt	c ctgtggatt	t gtgttcctt	t tttccgtgt	a tgccttttt
13621	t tttattatt	a tactttaaa	t tctaggata	c atgtgcaca	a cgtgcagga	t tgttacata
13681	t gtatacatg	t gccatgttg	g tgtgctgca	c ccattaact	c ctaattagg	t atatctcct
13741	a atgctatcc	c tcccccttc	t ccccacccc	a tgacaggcc	c tgggtgtgtg	a tgttccccct
13801	t cctgtgtcc	a agtgtttct	a ttgttcaat	t cccacctat	g agtgagaac	a tgcggtgtt
13861	t ggttttttg	t ccttgcgat	a gtttgcgtg	g aataatggt	t tccagcttc	a tccatgttc
13921	c tgc aaagga	c attaaactca	t cctttttta	t ggctgcata	g tattccata	g tgcataatgt
13981	g ccacatttt	c ttaatccag	t ctatcgggtg	a tggacattt	g ggttgggtt	c aagtctttg
14041	c tattgtgaa	t agtgccaca	a taaacatac	g tgtgcatgt	g tctttatag	c agcatgatt
14101	t ataatcctt	t ggggtatata	c ccgataatg	g gatggctgg	g tcaaatggt	a tttctagtt
14161	c tagatcctt	g aggaatcgt	c cactgtctc	t ccacaatgg	t tgaactagt	t tacagtccc
14221	a ccaacagtg	t aaaaagtgtt	c ctacttctc	c acatcctct	c cagcacctg	t tgtttcctg
14281	a ctttttaaat	g attgccatt	c taactgggtg	t aagatggta	t tctattgtg	g ttttgattt
14341	g cattttctct	g atggccagt	g atgatgagc	a tttcttcat	g tgtctattg	g ctgcatgaa
14401	t gtcttcttt	t gagaagtgt	c tgcctcatat	c ctttgccca	c tttttgatg	g ggttgtttt
14461	t tttctgtaa	g tttgtttga	g ttgtttgta	g attctggat	a tccagcttt	t gtcagctga
14521	g tagattgca	a aattttttt	c ccattctgt	a ggttgccctg	t tccactctga	t ggtagtttc
14581	t tttgctgtg	c agaagctct	t tagtttaat	t agatcccat	t tgtccattt	t ggtctttgt
14641	t gccattgct	t ttggtgttt	t agacatgaa	g tccttgccc	a tgcctatgt	c ctgaatggt
14701	a ttgcctagg	t tttcttcta	g ggtttttat	g gtttttaggt	c taacattta	a gttattta
14761	c catcttgaa	t taatttttg	t ataaggtgt	a aggaaggga	t ccagcttca	g ctttctaca
14821	t atggctagc	c agtcttcac	c cggggctga	a ggtaccgct	t nnnnnnnnn	n nnnnnnnnn
14881	n nnnnnnnnn	n nnnnnnnnn	n nnnnnnnnn	n nnnnnnnnn	n nnnnnnnnn	n nnnnnnnnn
14941	n nnnnnnnnn	n nnnnnnnnn	n nnnnnnnnn	n nnnnnnnnn	n nnnnnnnnn	n nnnnnnnnn
15001	a cactggggc	c tgttgggct	a tggggggct	g ggggaggat	a gcatagggt	g aaataaccta
15061	a ttagatga	c aggttgatg	g gtgcaacaa	a accaccatg	c acatgtata	t ctatgtaac
15121	a aacctgcac	a ttctgcaca	t gtacccag	a attttaaagt	a ataataaga	a aaataaaaat
15181	a aataagtta	a aagagatta	a aaaaataaa	a agaaacatt	t gccacattc	a tgcctttcta
15241	g atggaaaaga	g gttgctgac	a tatgataga	a atagaaaat	c cacacatct	t gtaaatctc
15301	a tttgtttta	a aagaaatca	t acaaattag	a tgttttttg	g agatgactt	t ttaaaatag
15361	a gtcgttaga	t cactctgt	a agggatag	t ctatatctg	t tccagtggg	t aggggacat
15421	g gatctggaa	a gcctgagaa	a aaaaagaag	g tttctatacc	a gacttgtga	t atttagaca
15481	t tttcatatt	c tatccattg	t tttgtgtgc	a ttttattcc	t cactattgt	a atatagatt
15541	g acaatgcta	a acttttttg	t gtattcttt	c tatgtgttc	c gaatgccta	a atatagtca
15601	a aattagcgg	t agtaaaata	a ttttttga	a atatctttt	t gctaaaatt	c atatgaaat
15661	g ttgtttttg	g aggggaatg	g ccaaaactac	c tgttgagta	a tactcatcg	t gttgtgtgc
15721	c tggttcagg	g gagggaggaa	g gaggggaaa	g tgcagagag	c tctatgccg	c tgtgtttac
15781	a gtgaggcaa	g attaacctat	t atctcttat	g tctgtgcat	t tttgttttac	t tatctgttt
15841	a ttagtgta	t aaaaaggac	a aacgagtcc	t aatttaca	c atctagtct	t ttttagatg
15901	t aaagagggt	g ccagtgtat	a acaaaagta	g agttagtaa	a ctaatatat	t tttgtatatt
15961	t tgtttttaa	a tctctagga	a agattgtct	t cctatcttt	g agcattctt	g cgcactgag
16021	t tgatggaga	t gggagggat	t ctaagctag	g atgttctta	t tttggaagc	t ctttcaa
16081	t ataactatg	g ttacatgta	t gcagtttat	t cgagactgc	t gttgatata	g tggacaat
16141	t aactcctta	c ttgaaacac	c tagtttatc	t agatgttta	g aagtgcctg	a atgtacgta
16201	a atgtagagg	t aataaaata	c cactttgta	a atatctttt	t gctaaaatt	c ataggaaat
16261	a ctgtctttt	a gaaatttaa	t tgttaagcc	a cctttgtga	g cagtatagt	a ctgtctata
16321	c ttgttcaat	g gtttagagg	a ggtgggagg	g aagaaaaat	a tgtgactga	c ttatttcac
16381	t aagccta	g tctttaagt	t tcatcatg	t tgtggcatg	t gtcagaatt	t ccttccttt
16441	t taaagctga	a ataatttgc	a ttgtataga	t atattacct	t ttattttatc	c atttatcca

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FIGURE 4 (cont.'d)

16501 tcaatagaaa cttggggtgc ttccatattt tagctatcat gaatattgct gccatcaaca
16561 tgttgagttc ctgtattcaa ctctttgggt aatacccaga agtgaaattg ctgaataagt
16621 atggtaattc tctgttaaatt ttttgaggag ctgctgattc atacttttac gtataaaata
16681 ttagacctta aatgtattat gtaaaaacac taagtatttt taacattcta gagtaaagaa
16741 ggtgtttctt agcaagacag aaaagctgaa accctcaata gaaaagcctt gttaatgtta
16801 tcacataaaa tattcaaaat ttctgaacac acagacacac acgcactaac gaaaagctat
16861 ttacaacttg tggtagatga agaaataaatt tcttaacata gcaagaaccc aggcaaatga
16921 ttaagaaaaa gaataatcat acaaatttaa tacatgtgag aagctgttca gcctttccca
16981 ttaattaaag aagtaaaata taaaacaaaa catataaatt ttcaacttagc agagatgaaa
17041 taccaaaaaca gatgggtata ggtgtggaac atacttcctt ggttgacagt tagccaatat
17101 ctattaaaat cccttgccac agtaatttca gttctagaca tttgtcttat attactgtat
17161 ttattctgtc ctgtaaccat aaattccaca gctgcctagt gatggttcta tatttaaagt
17221 gaatgcttac tctcagtatt gttttttctt ttgagatgga gtcttgttct gttgccaggc
17281 tggagtgcag tgccatgata tcagctcact gcaacctcca cctcccaggt tcaagtgatt
17341 ctctgcctc agcctcccga gtagctagga ctacaggtgt gcaccaccac gccagctaa
17401 tttttgtatt tttagtagag atggagtttc acctgtttgg ccagtatggt ctcgatctct
17461 tgacctcatg atctgcccac cttggcctcc caaagtgtgt tgattacagg tgtgagccac
17521 gacaccagc cagtattttt ttttttaaac cacagcttct tcattttgag tcatctctaa
17581 atagctgcaa tttactataa cttagggttt acaattttta aaattgtgta tgttaaggta
17641 tccacatgat gtttgatata cttcttttga cataaatata cacaatgaag tgattactac
17701 agccaaataa tgattaccat acccatcatt gctagcgttt agaaagacaa ctgattttta
17761 tgtgctgata ttgtaccctg caaccttact gaatttacta aatctagtag ttttttggtg
17821 catcctttgg gatcttctat taacagaatc atgccttctg caaatgtaag taatttagct
17881 gcttcttttt aaatatgtat gcctcttatg tctttttctt ggctatgttc ttttctctgg
17941 ctagaacttc tagtacaatg tccagtgtca gtgttgaaaa tgggcacctt tgtgtgttc
18001 ctgattttag gagtaagct tacagttttt ctaccctga gtatgatttt agttgtgaga
18061 ttttctata tgccctttat catgctaaga aagttccctt ttattttagt ttgctgattt
18121 tttaaaatta tgaaaggga tttaatttta tcaaatactt ttttctgtgt ctgttgagag
18181 tttggccatt tttttctat tgaaatgggt tattatggta gctgattttt ggatgtgaaa
18241 ccaaccttgt gtccctggga taaatcccat gtaatcatgg tgtataattc tttctatgta
18301 ttgctggatt tggtttgcta gtattttgtt gggaaacttt gtgcccataa gataagaggt
18361 attgatctat ggttttcttt tctgtgtatg tctttatttg gtttttgtgt cagggaaata
18421 gtggcttcat aaaatgttca agaagtgtac cctcctcatc tttttgttgg aagagtgtga
18481 aaaattggta ttatcaaatg tttagtagaa ttcaccagtg aagccatttg cttttctttt
18541 tgggtagttt ttgattactg attcattctc ttaatttgtt ttaggtctat tcagattgtc
18601 tgtttcttct tgagtcagtc ttggtagttg tgtctttctt gaaatttttt catttcactt
18661 aaattatctt atttgtcagt gtacaattat ttttggtatt cctttataat cttttttatt
18721 tctttaatgt cagtagtaat gtctcttctt ttatttctga ttctatagtt tgagttttct
18781 ctctcttttc cctgatgaaa ctgaagtttt ttccatttta ttgatttttt tcaaacgata
18841 aaattatttc attaatgtgt gctgttatca ttatttcctt ccttctgctt acttaaat
18901 agtttcatat tttttgtaag tgtcttaagg tagaatttta agttattgat ttaagaactt
18961 tcttaataca agtgtttaca gctgttgata ttactctaata tacttcttta gctgcatcac
19021 aattgttttg gtatgttgct ttcattatta ttctgtctaaa aatattatct aatttctgtc
19081 ttgatttctt ctttgactca tgaattgttt tagagtggaa atttcatttt aaatttccaa
19141 atatttgtga atttccaaa tttcccctgt tggttgattc taattttatt ccattgtggt
19201 taataacata ctttgcatca tttctatcct tcaaatttat tgagggtgtgt tttatggcct
19261 aatattgtgt ctatcttcta gaattgtcca tgctcacttg acatgaatgt atactttgtt
19321 gttgttgtaa agtagaatgt tccatagttc ttgaggtcta tttgggttgt agtatgtctc
19381 aagtcctctt ttccctgtgt gatccgtcca gttgttctat ccatttttga acgtgtagta
19441 ttgaagtcct tgactatttc tgttgactcg gttgacttgt ctatttcttt cttttctcag
19501 gtctgttttt gtttcattta ttttggtgct tcatatata aggtgcatat atgttgataa
19561 cagttatata ttctaatagg atggattcct ttgtaattac aaaaggccac tctatctcta
19621 gtaacaattt ttgtttttaa gtctatttgt ctgatatcag tgtactgact ccagtggttt
19681 tgtgggtgct gtttgcataa tatatttttc ctgttctttt actttcattc tgtgtcttcg
19741 aatcaaaatt gtgttttctc cagacaatat atacttcatg ttttcttatc caatataaca

FIGURE 4 (cont.'d)

19801	cctttgcctt	ttgattgcat	tgttttattcc	attcacactg	catattatta	tttagtggga
19861	tttatgtctg	tcatTTTTtagt	tcttttttTgt	ttttgttttg	agacagaatc	ttgctctgtc
19921	acccaggccg	gagtgcagtg	gcgtgatctc	ggctcactgc	aagctccaac	tcccgggttc
19981	aggccattct	cttgcctcag	cctcccaagt	agctgggact	acaggtgccc	accaccactc
20041	gtggctaatt	ttttgtattt	ttagtggaga	ctgggtttca	ccgtgttagc	caagatggtc
20101	tgcgtctcct	gacctcgtga	tctgcccacc	tcggcctccc	aaagtgttgg	gattacaggc
20161	atgagccacc	gcacgcccgg	atTTTTTgtt	ttttatatgt	atcatgtctt	tgttgttctt
20221	gttttTgtctt	tacttctttc	tatttcattg	aattaatatt	ttctaataata	gtattttaagt
20281	tttattaata	atTTTTatcac	tgtatttttta	tttttagtgg	tttctctagg	atTTTctgta
20341	tatatcttat	cagtatgagt	ttcagattca	cactagctta	attccagtaa	tatgtagaaa
20401	tgttactcat	gtagaactta	attctcttgc	tcttttTgtg	ttattttatt	tatattatat
20461	caattaatgt	tacaaagata	tacattgttt	aaattattat	tggtgctatt	attagcatac
20521	ataacaccca	catattaaaa	ttgtatatat	tgcatatatg	tattatagaa	ttgtatatat
20581	tatagggccca	atagtatat	gtatacatgt	tattttatat	aattgttttt	aaaatgagtt
20641	aagaaaaaag	aaaaatgcat	ttctactgtc	tattatagaa	aaataattac	atcatactga
20701	acgtcttcac	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
20761	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	ncgcggaatt
20821	cctaaaagaa	ttgctgagac	aaagtatatg	tgcctttgtc	atcctgaggg	cagttgtcat
20881	cctgtggagg	tttaccattt	gctctcccac	cagcaatgta	taagcatacc	tgcttcccaa
20941	cacttccgcc	aacacatat	atTTtgattaa	ttttcttggc	tgataatgg	atctcattgt
21001	agtttttaatt	tgtattttctc	attgtgagag	aaatgaagca	tcttttcatg	ttttgagagc
21061	catctgtgca	tcttttccca	ttgtttctgt	taagtcatg	atttgcagta	ctgtaatttg
21121	tgatgagttg	taaacaatgag	ctcttctggc	ctcttaacca	tccttatcca	gcctgtcttc
21181	acgttccctcc	ttgcctaaaa	acaagctcac	tcaaacagat	cattcctgtg	gccctctccc
21241	ttttgaaata	aatcagatgg	gcaaatttgc	ttttgttagg	ggcctgagac	ccaaatgttt
21301	aaaagtagct	tagctgatga	gtgaaaagga	ggcccagttg	ggggttgcac	agaaaatgag
21361	gggctggggg	aatagaggag	gctgggcagt	aacctggcag	aaggcgccag	aggccaagga
21421	aggtgcgctg	gtgtcctgca	gtgagaagga	tgtgtgcact	atcaactggg	taaacacact
21481	gctatagctg	ctccagcgac	agcaggcact	ctcagaaggg	aactgagaaa	aggggaatgc
21541	cagtttctgc	caaggatata	tggaaaagtt	ttttttcccc	gtatgttctt	tggcaacctt
21601	gttaaaatca	tttaaaatgg	tgaatttgat	aacaaagcca	gccactaaaa	gacttggatg
21661	tagcaaaaca	aattgtcaaa	aagtatttat	catttctaag	aaataaaata	aactgggatt
21721	taggcttgga	tagaaatcca	gaggtttTgt	ttggcataat	taattacaac	atctgaagaa
21781	gggaggtatt	ttacaagaatt	tttttttttt	gtagtगत	tgtctttatat	tccttttcat
21841	gactggagag	tctgtcattt	ggcaaccgc	aaagaacttc	aggaacagag	ggcctaagtt
21901	ttcttgacac	atTTtgattt	ttgcatgatg	aacatttgca	cttttattag	taattgtcga
21961	gtcgtgtgtg	gtctgatect	atggagagga	gagtgtaggt	gtnttctctg	gagctagtac
22021	ntgcccccg	gctcacacgt	gccacactgc	ctgctgcttt	cangaaagag	caggacggct
22081	ggtcctgtcc	catctagtga	ggtcctgtcc	catctagtaa	ggttctgtcc	tcagagctcc
22141	taagagggga	ttgctggcct	ttgattacac	tggcttccag	aatctgacca	tgggaaccatt
22201	atttgaagct	gtcagcttca	ttttgttTgt	gatcaggcca	gtcttttagg	tctttgttgg
22261	ttgatagatt	tctctcaggt	ctatagcagc	aacaaataaa	gctctttaaa	attattttct
22321	tgaccattct	gcctatggat	tggttctgac	ctttgaaatg	tttTgtgtcc	tttagatcgt
22381	gacagaagga	gcctcttctg	ggagctgtga	agacccaca	gatctcactg	gttttcttgc
22441	ttttattTga	agagttagca	tttTgtgaag	tttatattta	tgtaaaataa	caataagtag
22501	atTTTtaaaat	ttttcttttaa	attctgtgat	ctaataagaa	gagagactct	ttctctgtca
22561	ttgggaggct	tgatgaggat	cggacatacc	tgctgagagt	atcctgtaat	gttttcataa
22621	gattTgaaat	ggtgaaatga	gagcagaaat	gtaggcagag	gatgccaacg	ctgttttcta
22681	tttcctaagt	aaaactgagc	agggcagaat	ctccccagcc	ctgccagtc	tccttctctc
22741	cttgggtccg	ctgtcactgt	catgctggcc	ttgacatctg	ctacaagtgc	acacacatgg
22801	ggaaccacac	agggaagtga	acacatgtcc	tgacgtgtgt	gtgtgcctgg	tgtggctgct
22861	tccttgatcc	aggctttTgt	ttgttacgag	gctctgccct	cctaccttca	ggccttgctc
22921	ctcatcatgg	gcatgcaagg	atggaaatcgt	taccccagag	tacacttttt	gacttggatt
22981	acttTtagtt	tagtactTga	gttcagaact	ttaatTTccc	atcagaaacc	tgcctcccgg
23041	acccaggaca	ctgacctTga	ttgggcacga	ttttccagat	aagaccttac	ctcctcccaa

FIGURE 4 (cont.'d)

23101	caggggtttgc	cttcccttca	gaatacagga	aagtacacgt	ggttccaaga	ggaccatgct
23161	cttactaaga	taaaagggag	gaggggtgact	aggtactttc	ctctgctgcc	atcccttgaa
23221	ggaagggggc	ttccttcaat	gcctcatcag	ttccagggag	tatgcttgac	ccagcaacac
23281	agaggaagaa	gtgacctcat	agcaatgagg	ggcaagcatg	tggatattgc	tgggtatttc
23341	ttcctcaaag	tctacctggg	gacaggtgat	gaagacgctt	acttctctgc	aatacacccgt
23401	gatcaggcctt	tgggtcttcat	gacacattttt	agccttgcct	atgtgtgttg	aacagagctg
23461	gtcatcctca	gaaataaaaag	aagagagcaa	taagtacagg	aaggctttca	gtcccagaat
23521	agtgttagga	ctaaatgtca	gagaacaggg	ggactgtagg	agtttgggga	ccttagcatg
23581	gataccctct	caatctgctc	ccctgtggta	taaacagtaa	agcccattgt	actaaaaggc
23641	cttgagtgct	tgtctctggg	gcaggtggag	ccagtgatgg	gtgccccgag	aggaggatgc
23701	tggagagggg	acagtgtcta	aggcagttgg	agaaaaagga	caatggctta	tgcagtcagg
23761	cctagaagat	gcaaggggatg	tcacagcata	gtgtccacag	gcatccctag	atgtctttca
23821	ttttgtttca	ggaagaatat	tgacaaaggt	agtgtggga	gggttatttc	aaggatgcta
23881	ttttcatgtg	tccaagtaaa	cttaagattc	ctaagaactt	tgacctctaa	tgcttttaaa
23941	gaccgtgtac	ctcatgccc	tatgcacatt	cagttagaaa	ataaatgtag	attctttggg
24001	gaattcgaag	atgtgctcat	ggagtggcac	agcgtgatct	cagtgtacac	atgaagcatg
24061	ctgatgagag	cttcttggat	cttgtttctt	caggtggact	tgcatataag	tgtctgtgaa
24121	tctctgcact	gggagtggga	gcagccatgc	gatgggtgcc	ttaatccgag	tgccatcctg
24181	gctctctcca	ggctgcttca	tttctgtga	ggggtagggg	gaggaggagt	ttccaggcaa
24241	tggccttacc	tgttctgggtg	gttgaccaag	ggtcgggggt	cccaaagggtg	gagttccagg
24301	atgagagtgc	acccttgggg	atgggtactta	gaaagagtgg	ggactaggcc	tcagccaggg
24361	aatgggtggc	caggggtggag	ctcctttgta	tcaaggagtt	agggccaagg	gccatgcagg
24421	tgggcctgca	gaaggtgggt	gggtgatatgg	cctttctggg	gataacagac	tcgtggcact
24481	gttttcctgg	ggctgttggg	gttgcatgga	gcagattctt	actcaggctt	actgtcttaa
24541	ggaggggaaga	atgctttttt	atgaatacgc	ataggtctgt	ggggctgtgg	agcctgggga
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24661	tggcactcac	tgtccctatt	tctctctgtc	catttctctc	ctcactgcag	tgcttctctc
24721	ccttcctaga	tttttttctc	taagtttgac	tattcaccac	cccagagact	ctgttctatc
24781	ccatgacctc	ttgctgtact	ttctttcaaa	tctaaatttt	cttgattatt	tttcttaatt
24841	tacagtttca	agattagatc	tgttgggagc	attctgtgct	ctacctcagc	ccctgggtga
24901	gctatggatt	ggtgtccccc	atgggtgacgt	ggtctggact	cccttttgtg	tgaagagctg
24961	tggcagggca	gtgaggtttt	gtggaactca	gggagcatct	ggcactatgt	atgaggttgt
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25141	ccttctagta	cttcgttttt	tgacttatat	atgaactaac	tcaatttaga	tgcttagaaa
25201	ataaacggcc	actggacctg	caagagatta	gtagtgggtg	tccatagcct	tagacatttc
25261	ttacactttt	atccacagat	aagaaaaaaa	tagtgatatt	tgatttgttt	tgccaaggct
25321	tagaaggatc	taatatgtgt	tactcgttga	gcagcgggaa	gcagcagaca	tttctagggg
25381	ttctccctgt	caccattcag	gagacagtgc	acacaatccc	cttggctctt	acctgaacac
25441	tgaccacagg	tctgtcattg	caggctggga	gtcctccgtc	agcatcagct	ccggctccgg
25501	tgtcctcctt	ctctcgcact	tctatcacgc	catccagcca	ggacatctgc	aggtaacact
25561	ctgcttcaga	tgctgccatg	atcagtgtgc	agccagaaat	aagcattagt	gtctgtagggt
25621	tcttgaattt	ccatttgcct	aatcaatctg	cctttggctc	aaacagttgg	cgagttttat
25681	gtgtgggttg	ctcaccaagt	tacctatgct	agtctcattt	cttcactatg	atgtctattc
25741	tcttttaaaa	ttgtttttac	ttctgtgtgt	tttatcccac	tgttctgcat	gcagttccag
25801	tgcagtgttt	tctgagtgtt	gtcaccacag	ttccgtgcag	tctgctgttg	tctcgaaaagc
25861	tcctcactgc	cagagttctc	tgacacaagg	gctcactgtg	acagttatct	gtaaggacac
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25981	taagaatacc	aaagccagaa	gaacactaaa	gttctcaagg	tccctcaatg	atgtgggtga
26041	gaaggcgag	gatacttcag	aaagttttgc	ctatgtggaa	agaacttggt	ctgaagggaa
26101	attaatactc	cctcaagata	cgtgtctcag	aactaacagg	tttcatcata	aagaaaaaag
26161	aaccctgaac	cacaaacctc	ttggcaattc	caaacattct	tgtgtttcat	gcctttctgc
26221	cggtcgctca	actgcctcag	aggtggaagc	tggaaggggg	ggcaggcccc	gcctgctgct
26281	ggaagagaag	gcggatgggtg	aggccacgtc	ccgaagccgg	caactgctcc	agtacctgtt
26341	ctcactctcg	cacggcttga	gcgccagcag	cctgcacagg	ttccatgagc	tggagagctg

FIGURE 4 (cont.'d)

26401	cgctgctcgc	ctgcacactg	ccaagtccctc	cagcgggctg	gcagggagta	tgggcttctg
26461	ctctgacgag	atggggagacg	acgatgtctt	tgaggacagc	acatctgcaa	aactgaagag
26521	taggggttctg	cgggcgcccc	tctgtctccac	ggaaaaggac	agcgacctgg	attgtccttc
26581	tcccttctct	gaaaaattac	cccccatatc	tcccggtgcc	acgtcagggg	atgtctgcag
26641	gttgggtttgc	caggaagtgc	cattctagcc	atctctgctc	gcatcaggaa	cctcctcttg
26701	cttttagtatg	tgaagtttca	ggaaaatgaa	gtaataggaa	gttgtaacca	gttggtgggtt
26761	gatgggttttc	tccagaagaa	tggagtatca	atatcgtttg	aaaaacttaa	tttttatgat
26821	gtgagtccca	agatagtttt	acaaatgata	aaagagggaag	aagctggctg	ggcgagtggt
26881	ctcacgcctg	taatcccagc	actttggggag	gctgaggcgg	gtggatcacc	tgaggtcagg
26941	agtttgagac	cagcttgggc	aacgtggcga	aaccccgctc	ctactaaaaa	tacaaaaatt
27001	agccggggct	ggtggcgggc	gcctgtaatc	ccagctactc	aggaggctga	ggcaggagaa
27061	ttgcttgaac	ccgggaggcg	gaggttgtag	tgagccaaga	ttgcgccatt	gcactccagc
27121	ctgggcaaca	agagtgaaac	tctgtctaaa	aaaaaacaaa	acaaaacaaa	aaaaaaaaaga
27181	ggaagaagct	acacatatta	aaggccaagc	tgactcttct	aaactaaaaa	taagtagact
27241	ttgcataaag	aaactggaag	aaagaaacta	gtatcttcag	ttttccagcc	tgatggtcca
27301	gattttaagc	attgttgcat	ctcccagcct	cttttttaac	ccttgctccc	tacctacccc
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27421	aggtgtagcc	acctatgtcc	cctccttaac	ctgtttcccc	cctttatctt	cccttgtagc
27481	gcacccctgt	ctggcctcca	taattcactt	tttgtcatga	ctcttgtagc	ctcctcattc
27541	tgacctttct	ccagtctccg	ctccttagtg	ccagctgtca	tcattttctaa	catttggtatc
27601	agagatcccc	tcactaaaac	agcctgagag	cctggctcct	tccaggacga	gtgccccaac
27661	ctgttctcta	gctgctggaa	aagacccctc	tgtttcttaa	aagcctgtta	agttccttca
27721	ggctagtagc	tacaccttgt	tgcatacttc	cttggaata	gagagtgttt	tcaaattaat
27781	ttctcactta	ttgctattag	tggtcccaag	aaaaagagat	gaaattgcag	catcttgtaa
27841	tggtgagttt	tttaggtcta	ggagagaggt	actgtcatct	ttgtttactt	gtgagagac
27901	gacagaaatg	tgtagtgtg	gggtatgaag	gtaaaagtcag	tgattatagc	taaaaagcaa
27961	acgtcattta	aggtcactgg	tatttttggg	tggttgaatg	cagcgcttac	catccataca
28021	agaacccgct	gggagggcca	agaccatccc	gtgcgcggcg	ggaaccgcga	catccgccac
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28261	cgccactgcc	tactgccagg	ggcggcgggt	gacgacaaaa	ccctcggtgc	gccgcgcctg
28321	gcagtcgcgc	gccccgcgcc	ccccagcggc	gcgcacccgg	gggcgcgggc	cgaacccggc
28381	aaggtgagag	ggcgcgtggc	cccgggcgct	gaccactatc	attctccgcc	acacggacga
28441	aggcaggagc	accacggggc	gccggcgggc	cgcccgctcg	ggccaaagag	cccggccgcc
28501	agcggannnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
28561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnngagg	ccgggcgagc
28621	gcaggcgggc	ggagagcaga	ccacgcggaa	gaggccgaga	gagaaagcgg	ggcaccgggc
28681	cggggggggtc	atttacaagg	gacgctgggc	acgaaggagg	ctggggcgaa	gatgagtcca
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28861	gggcagccac	tcccaccggc	cctccccag	ccccgcaggc	cagccacatg	ccccgtgctc
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29041	agccgggggag	gtggaagctg	cagtgatctg	cgccactgaa	ctcccgcctg	ggcggcagag
29101	tgagaccctg	tttcaaaagg	caccaggggt	gtagggaagg	agcgatatcc	cccaggcaag
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29221	tgccctgtgga	ggaaggagg	gacgtagcag	caggaggaag	ggtgaggacc	caggtggggg
29281	atcgggagaa	gtgatggcgg	aggaaaagaga	ggccggaaga	ggaggggggc	tgctggcctg
29341	gcaactgaaa	gcaaagcgtg	ggtttgtata	tgggaagaag	accacatccc	ctcttatcgt
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29461	cctgtgacac	aagtaggatt	ctcccacttt	taacttccca	aatgctaccc	gaaagcctct
29521	gaaatccttg	gaaattttaa	aaataatccc	cttctattaa	ctgatgccta	taaaacatat
29581	tgactttcat	taaattttgt	tatgaaatca	gggatgtgtc	ccattgtaaa	ataaatttgt
29641	ttggaaaatg	taggggtgta	tcccactctaa	aatcagacg	aggctagaaa	atttcaattt

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FIGURE 4 (cont.'d)

29701 tattttgctaa ggtagcatca tgttggttaa aatgcatcat aaaataagac caagagttaa
29761 tacaaagcat gaagtcattg ttcctcctaaa aaaatgattt gttctgtagt caaattaatt
29821 tggaaaacat tgcaaaactct tcagcagtggt ttctcaaagt atagcttgcg tcagaatccc
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29941 tgccactgg caggaaactg aaacttggt gaagtcaccg aggaggcctt ccccggttaa
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30121 ctgccctgca cagcacaact gtggcgtaaa aaatggaaaa gctggtagca gaaggaaaga
30181 gcaggggagac agagggttagg tgaacctcaa tggcctcatt aaagcaaatt gagaaagaga
30241 gtttccttcc cagttagggc ggacagtgc gaaatgcggc ccgtcctggg agaagtggg
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30901 tacagttagg tttacctctc cagcttgaca agcattccta gccagaaca ctcagctgac
30961 gagggggtgt gggggaggaa ggaggcagca aggtgaaag aagcttctct ggggtattcca
31021 gtgcttggtt gctggctgta gccatggtga gaccacagca gcctccctgg aagcaagcac
31081 ctgtgtaaaa gcccctcctt cccacaagg ggtggatcc aagtgaagaa ggtaccagaa
31141 ggactggaag atgatgtgtg tattattcga cagctccagg gtgtgtgagc actgagcacc
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31261 cagcagtaca cctctcgggt cactgcagg ctcttgttcc atcctgacac atgaggagaa
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31381 tggcctccta ggagaccag ggtagccagg acaaaggaga gaagcatttg ctaagctaag
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32521 aggggcacag agcattccag cctgaaggaa acagatgtgc aaaggcccaa ggcaaaggcc
32581 tgagctctga ggggcaacca gagtcaaggc tgaagagtgg gcagtgtatg agcactgacg
32641 gtggagaggc aacaggctat cttgttaatc tcagtctttt gtgtgccaga gagagaaact
32701 gaggcacagt gtgtcatggt gaacactggg cagcactccc acgtcctgt cctgcactct
32761 gcagggttat ggaggaagcc tgggaagtct ctccctctt ttccacctt cctggacca
32821 tccacacccc tgctcctcc aggaagccct ggggattgct catacactca catctcactc
32881 cttagtacct gcagcctgca ttctgaattt agcaagctct ggccttgggt ttctattttc
32941 ttgtcctgtg cagttagcat ttggaaactt ctctcagca ccaaacagcg agccatttag

FIGURE 4 (cont.'d)

33001	cagaaaatac	atgagttttc	aagtcaattg	aactgttcat	cgccccaaaa	gccaggcaac
33061	acggtagagc	agctggatct	ctgttcgtag	aagctttctc	agggactggc	ccaccgagtg
33121	ggggactgca	agtccccgat	gagtgaatga	atgaacacat	gtgtgaatgg	aattcaaggc
33181	actgcaggct	attctggagg	gtactggcct	gtctcttcga	caggtgaggt	gcagtagaac
33241	agcatcccgt	atagatgcc	gtttctgacc	tggttctgaa	aagccagtca	cctacctctg
33301	cagagctgcc	tggagggggc	gggggttgtg	aggaccctg	agagcttgg	gtgaaggggc
33361	tctgcagagg	gaggcatggc	tagtgtgcgc	aaggtgacct	ctctcctgg	ctgcaggatg
33421	gagaacctgt	tcatcaaccg	cttcatgcac	atgttccagt	cttcttggaa	tgacttcgcc
33481	gactttgaga	aaatctttgt	caagatcagc	aacactat	ctggtgagt	tgacctctgg
33541	ggcccaagt	gtgctgggga	caggggatgc	tgctctcctg	tctgatact	gccgggaaat
33601	tgcacaaggc	cttctgcct	gctgcagcat	gggggcctcg	ctgccaccat	gccaccctgg
33661	acagcacccc	ctacactcca	caccttttac	catcactgtg	gtcacccttg	tgcccagagg
33721	tttctcctcc	tcagatat	aagctcgagc	accctcaacc	tcatttctact	atcaaaaagtc
33781	tcaaaagt	cagaactttt	tcttggcaca	aatcaatcat	ttgtgcttct	gaacagagca
33841	aaggcagaac	ttggcttgtg	ttttaggtat	ttacacaaaa	gcaactttgg	gttccttttg
33901	actaggatgt	gtttgatgag	agcactagct	tcatagtggc	cagtcatggc	atgggaagga
33961	cgtttaggaag	gcaggaatgg	ctggacaaga	agaggtgctg	aaatcaggac	atggggaaacc
34021	aaacttggca	aactgcccc	agggactctc	ctccacgccc	tccttcttcc	atcctggaca
34081	ctccatgctg	ggctgaagga	cctgagtgct	ccaggaggct	tctgagccac	gaagggccag
34141	ctcaggtatg	atgagttgg	gccacagcct	gacccagtga	tgggcagggg	gcagcagttg
34201	gagctgtgcc	catccaggga	gcactcggga	gaggagacca	agcagggact	ctgctcttag
34261	gtgaggtcag	gagggccatg	gccctggctg	ccctctactc	agagctcagg	gtgggcctcg
34321	cttttctcct	ggtagagcgg	gtcatgaatc	actggcagga	agacctgatg	tttggctacc
34381	agttcctgaa	tggctgcaac	cctgtgttga	tccggcgctg	cacagagctg	cccgagaagc
34441	tcccggtagc	cacggagatg	gtagagtga	gcctggagcg	gcagctcagc	ttggagcagg
34501	aggtccaggt	aggggttgat	gggtggggga	agtggccaag	gtcacagtct	gtcaggtgga
34561	agccagttcc	tcctggccag	tgctcatagg	ccaccaagac	gctaactgca	ggcccatctg
34621	gcctacagca	gccgttctct	tttctggcca	gcagtgtcag	ccagggtcct	gggcattatg
34681	cagactgtct	tgtgcaacat	cagaggagga	attgcgggga	atgtttctcc	atgatgctcg
34741	agtctgggaa	cataatgtca	atattttcac	tatcagtatc	aataattaca	ggagctaccc
34801	ttgattaggg	gcctgtgggtg	ggacaggcat	tgtgacagg	gctttacaca	caaggtcac
34861	agttgtcacc	caccttgcaa	aggggagaa	actggagaaa	gaagcagacc	ttgtgtgaca
34921	atacacaagg	ggcacgagga	gaacccaaca	gaatgggtga	tttctcgtt	agaaatgtcg
34981	ctgcccattg	tcctgtcgca	ccctcctccc	cacctcacc	tgcagactca	gctgcctccg
35041	gctgcaaggc	tgacctagtc	ttgagacaga	agaagttcaa	accaactcca	cctggatctg
35101	gtggggctca	gcaacaggcg	ctggcccatc	agcctgcctc	ttccccatgg	atccagcgtg
35161	atggggcctc	ctgccaccca	ggcctgctg	cctatcccc	ggtgtccagg	tgccctctgc
35221	tgcttccagt	cttttgagct	cagcttacct	tgaggcccta	gttggagagg	gatggttgg
35281	gccctttaga	gataaaccta	cagccccagt	acctggccca	cctgaatcta	gagggccacc
35341	caccagctg	aagtccttgg	gcaagtctcc	tgccccagt	caggcagtg	ttcctaacct
35401	cctcctcctc	ctgcacccaa	ccaggcccag	aacacttctc	ggtcatgtga	acagctgaca
35461	gttacaatcc	cccacacact	gagagagcat	ctgtgttctc	gagtggactg	aattgctaga
35521	tgtagtaaca	ttgatttgg	ggctataggt	ttcaaacttc	aagtcagaga	tcatagaact
35581	ttaagccata	tagaatccta	gaattggaag	actctgagca	gccatctctg	caccagcag
35641	ccaaggagtg	gccatcctca	gcacctggca	gggcatcagc	ctcccactgg	gagtcgggc
35701	cacctccagg	gcacgtgggt	tatgagtcac	ctttcctttg	agctgaccca	ccccctactg
35761	actagactct	taaacacaca	ctgccccgtc	taatacacac	cagcatgatt	cttaatcccc
35821	acagtcattc	acgtgcccc	tctggcagca	ccttaatgat	ctacagcaag	cttgtggcct
35881	actaaaaacg	cctccattgt	tttttaaaat	gtgcagttat	tttccggatc	atgaatagag
35941	aaattgtatc	cctgttgttg	gtattgat	agtgttccag	ctcaagtttg	agttcttaga
36001	ctttatat	ggattctttg	gtttcaaatc	acaaaaatca	actccatctg	gtttaatcca
36061	agaactctat	tggctcaggc	aacagtaaaa	agcaatgcta	actcatttgg	gaccagggct
36121	cagatcatcc	cctgcactgt	ctctctctcg	ctccatgtct	caatcctctg	cctctgggtga
36181	ttttttcctt	aggagggttt	ccttatgtgg	aggtaaaaaa	tgatcaccgg	cagcttcaga
36241	tttaccttcc	accagcttag	caaacaccac	ccactcccag	caagaaagac	cctgtttccc

FIGURE 4 (cont.'d)

36301	aatgctccca	gcagatgtct	taggccatcc	tcgggcctca	ctgattctgt	gagccagtgc
36361	ccacggccag	gagaatggaa	tacactgacc	tagaggggac	agggactcta	gacaggcaaa
36421	aactccactg	tcagaagcag	aatcctaaaa	tgtcagaact	gaaaggtagg	cccgccctc
36481	gttttccaga	aatatgaaag	ggaggccttg	gataacagag	aaatgctgca	ggcattggcc
36541	ccaaatctca	ggcctcctat	tcccagtatc	accttcacca	gcctgggtgg	tctcaagatt
36601	ggattagcag	ccattccttc	tgggtagagt	ctgatgggtca	cttcagctct	caaagtccag
36661	ctatccagcc	atagtcctag	aaggcaagac	atcactgtgc	ccgaccaacc	caagggtctc
36721	cacctgcccc	cctcaacaca	aggtgccctg	agtgcctccg	cggggatagt	ccccgtcccc
36781	acccctgctt	ccccgcccc	tcgcgacaga	tgctcagagc	tcatccctgg	tgtcacacca
36841	cataaaggag	gaggcggtg	gccaggtcc	gagctcctgc	cgctcctggg	gggtggcttc
36901	tgtcctgcgt	gccgcccggc	agcccggggg	tcctgcgcgc	gggcgcgggtc	ggtggagctg
36961	caggggggcg	ctctgggatg	tctccaggca	gagtagatac	tgacctctcc	gcagccggga
37021	ccctcaccct	ttccttcctc	actcaggaaa	cagaaaaggc	ttcagaagga	gcggccatgc
37081	ccccggccta	agcgtgcgt	tcccggcccc	gcaggcctac	cctgcacctg	gcgttcctag
37141	gggcccctct	gcgggaccca	ctgcgcggct	cgcagcggcc	gcccgcctcc	cacttcaccg
37201	gcacgctcgt	tgcgtgtcga	ggtgtgttga	ctcctacagc	aaagggcacg	gatccgcggg
37261	tcagcaagcc	cgacgaattt	acaccaatga	cccgcctgtg	cgccagtctc	agaccagggc
37321	acaacacgcc	aaccctgcag	accaccccc	cctccccagc	cactgcagac	ccttccccct
37381	ctgcttctgc	agcacctgtc	ccgaaacacg	ctcattcccc	ccccgcgaga	ccttccttac
37441	ctcctggaga	ccccctcaa	ccctgtaga	gtccccctgcc	cgtgcagaat	ccctcccccc
37501	ttcccccgca	gcccccttac	cccacccggc	ggacagcccc	gctcgttccc	tgttcttctc
37561	ccaagggaga	cccctgtcct	ggctctgact	ggggttgagt	tcgccagttt	tgacttatgt
37621	gtagagtctt	caccacgggc	tggaagtacg	gtnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
37681	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
37741	nnnnnnnnnn	nngagcgtac	ttcagcccg	gtgaagattc	cttacacctt	atacaaaaat
37801	taattcaagt	tggattaaag	acttacatgt	cagacctaaa	accataaaaat	ccttagaaga
37861	aaacctaggc	aataccattc	aggacatagg	catgggcaag	gacttcatgt	ctgaaacacc
37921	aaaagcaatg	ggaacaaaag	ccaaaataga	caaatgggat	ctaattaaac	taaagagctt
37981	ctgcacagca	aaagaaacta	ccatcagagt	gaacaggcaa	cccacagaat	gggagaaaat
38041	ttttgcacct	actcatctga	caaagggcta	atatccagaa	tctacaatga	actcaaacaa
38101	atttacaagc	aaaaaacaaa	caacccccat	aaaaagtagg	caaaggatat	gaacagacac
38161	ttctcaaaa	aagacattta	tgcagccaaa	aaacacatga	aaaaatgctc	atcatcactg
38221	gccatcagag	aaatgcaa	aaaaaccaca	gtgagatgcc	atctcacacc	agttagaatg
38281	gcgatcatta	aaaagtcagg	aaacaacagg	tgctggagag	gatgtggaga	aataggaaca
38341	cttttacact	gttgggtgga	ctgtaaacta	gttcaaccat	tgtggaagtc	agtgtggcaa
38401	ttcctcaagg	atctagaact	agaaatacca	tttgacccag	caatcccat	actgggtata
38461	tacccaaagg	actataaatc	atgctgctat	aaagacacat	gcacacgtag	gtttattgtg
38521	gcactattcc	caagagcaaa	gacttggaac	caacccaaat	ttccaacaat	gatagactgg
38581	attaagaaaa	tgtggcacat	atacaccatg	gaatactatg	cagccataaa	aaatgatgag
38641	ttcatgtcct	ttgtagggac	atggatgaag	ctggaaacta	tcattctcag	caaactattg
38701	caaggacaaa	aaaccaaaca	cctcatgttc	tcactcatag	gtgggaattg	aacaatgaga
38761	acacatggac	acaggaagg	gaacatcaca	cactgggcac	tgttgtgggg	tggggggctg
38821	ggggagggat	agcattagga	gatataccta	atgctaagt	acgagttaat	gggtgcagca
38881	caccaacatg	gcacatgtat	acatatgtaa	ctgacctgca	cgttgtgcac	atgtacccta
38941	aaacttaag	tataataata	aaaaaaaata	aataaaaaata	aaaaataaaa	gaaaatgaag
39001	aaaatcatgt	catttgcagc	aacatggatt	tggctagagg	actttatcct	aggcaaacaa
39061	atacagaaac	agaaaatcaa	ataccacata	ttctcactca	taagggggag	gtaaacactg
39121	ggtactgatg	gacataaaga	tagcaacaat	agacactggg	gactattggg	gtggtgaagg
39181	aggggaaggga	gaaagtgttg	aaaaactgtt	gagtactatt	ctcagtatct	gggtaatggg
39241	accattcata	ccccaaacct	caacatcaca	caatataccc	aggttacaaa	cttgcaaacg
39301	tgccctctga	atctaaaata	aaagttgaaa	aagcaaaaat	aaaacagtaa	acaacaacaa
39361	caacaaaaca	gcaaaacct	caataaatac	ataaataaaa	atataaataa	atgtctttgc
39421	cagagctttt	tgttttttgt	gtggctttga	gttagtatct	ggggtcacgt	tgcttttaag
39481	ctgtttgcta	tcaactgcac	cctatcta	atttcttttt	cttaataagta	aaccactcaa
39541	tttttgtgag	gagatattac	attgtggttt	tgatttacat	ttctcta	atttcctt

FIGURE 4 (cont.'d)

39601 cagtttggat gctgagcatt ttttcttatg ttttttgccc attcatatat aatttttaaaa
39661 gaaatgtcta ttcaaatcct tttgccattt taaaatcata ttatttttaa atatttgtgt
39721 gtagaaatta tttatatatt ctggatatta actctttatc agatatataa tttactaata
39781 ttttcttcca tccacaagtt ttttttaaca ttgttatgtc ctttaatgca taaaagtttt
39841 aaaaagtttg atgtagtccc aattgtctat ttttctttt gttgtctgta cttttgggtg
39901 catattaaaa aataattgcc atatccctt attctaagag ttttatagtt ttagatcttc
39961 catttaagtt ttaaattccat tttgagttaa ttcttgata tggcataaga caaagtttca
40021 acttcaactc ttcatgtgtg gatatacaag tttcccaaca ctgtttggtg aagagaatgt
40081 tcttccctca ttgagcggat ctggaatgct gtaaataatta tttgaccata tatgtggagt
40141 tttcttttaa tgggttcttt attctatttc attggtctat atgtctctct ttaagccagt
40201 gtcagtctgt ttttaattact gtagtcttgt aacatgtttt gagatcacgg agcatgagac
40261 cttcaactca gttagttttc aagattgtct agtcagagta tatatgaata tttagataaa
40321 ttttctctct ttttcaaaaa atgcagctta gattttgata gggattacat ataatttgta
40381 gactgctttg ggttctattg acttttcaaa ttaatacata atgttgtaca gatttgggga
40441 atacatctga tattttggag atcttaacat taaatcttcc aatccatgaa taccaatgtc
40501 tttacattta tttgtgactt ctttcagtac tgttttgtag ttttcagtg acaagccttt
40561 tatttccctg gctaagttta ttccaaagta ttttactatt tttgatggta ttgtaattaa
40621 attattttct taattacctt tggattgttt atagttaatt tatagaaagg caactgattt
40681 ttgtgtgtcg attttggatc ctgcaacttt ccagaatttg tttaatagtt ccaacagttt
40741 tctggatttt atgcataat gcatctaaac gttttctaga ttttatgcag gagtctagga
40801 ttttatgcat ataggatcaa gtcactgtgt agcagagata attttacttt tttcttttat
40861 tctttggatg tcttttcttg cttaattttt ttttccctaat tggctgtctt ggaaattcaa
40921 atactatatt gaatagaagc gaagagacag agtatacttg tcttgttcct aatccagaag
40981 aaaagtttga atcttttacc attgagtgtg agtttacctg tggatttttc atatatggcc
41041 tttattatgt tattttcctt ctattccctag tttgctgagt gttttcgtga taaaagggtg
41101 taaattttgt taaacatttt ttctacatca atataaatga tcatgctgtt ttgtccttta
41161 ttctattact atagtgtatt acattgattt ttgcatgttg tattattctt tttttttgag
41221 atgaaatctc attctgtcat tctggctgga gtgcagtggc atgacctcag ctcatgcaa
41281 catttgccctc ctgggttcaa gggattctcc tgtctcagcc tcccaaagtg ctgggattac
41341 aggcattgagc cagcacaccc tgcacatgt tctatcatc ttgcattcca ggaataaagc
41401 caacctgatc atcacaaata ttggctctga gttttctttt catgtaatgt ctttgtttga
41461 ctttgaaatc agggtaatac tggcctcata taatgagctt tgaagtgttt tttatattca
41521 tttttgtaaa tgactttgag aaacattggt tctaattctt ccttaaatgt ttggtagtca
41581 tccgggtctg ggctgttgtt tgtttgaggg tttttgaacc agtttaactt ccttcgtagt
41641 tataagtctg ttcgtttttt ctacttcttc atgattcact cttattaggt tgtatatttc
41701 tagaaattta tgcacttcta aattattcaa tttgttgaca tataattaac tgttgatggg
41761 attttcttat aatccttttg atttctatgg catgggttct aatgttctt tttttatttc
41821 tgatttatta gttgaatctt ttttcttag ttaatctagc taagcatttg ttaattttgt
41881 tgggtgtttt aaaaaccacc tcttagtttt gttgattttt ttctattgtt tttatattct
41941 atatttcatt tatctctgat ttaatctaatt ctttaggatt ttctctcttc tgctagcttt
42001 ggggtgtagt tttttctctt cctagtttcc tgagggtataa agtttaggtg ttgatttgca
42061 aactttcttc tacttctttt ttttttttcc ttaagttgtg gagatggggg ctgctttgt
42121 tgcccaggct ggtctcaaat tccctggcctc cagaagttct cctccctcag cctgtcaaag
42181 tgctgggatt gcaggcatga cccaccatgc ctagccactt tcttctttt ataatgcaca
42241 tatttatagc tataaaattc tctgttagca ctgcttctgc tgcactttac acattttggg
42301 acattgtatt tttattttcc tttatctcaa gatattttct aacttccct gtgatttctt
42361 ttttgaccca ttgcttggtg aaaactgtgt tgtttaattt tcacatatatt tgaattttt
42421 tgttttctt ctgctactga tgtctagttt tatgtcattt tcatcaaaat agatattttg
42481 tataatttca atctttttaa atttggtaca agtttttttg tggataaca tgtgatttat
42541 ctttggggaat attccatgta aacttgagaa aaatactatt ctgattttat tgggtggaat
42601 gttctgcaca tgtttggttag cactatttat agtgttggtc aagtactgta tttccttatc
42661 gattttctgt cttgttggtc tagccattat tgtaagttag gaattgaagt cgcctaccat
42721 tattatgctg tttatgtttc ctctctgatc tgtcaatgtt tgcttcagat atttaggagc
42781 tctgggtata gaggtatata ttttgttaatt tgttatatct ttctgctgaa ttgacttttt
42841 gttatataat atccattttt ttgtcttggt actatttttg actttaagtc tattttggtg

FIGURE 4 (cont.'d)

42901	gatagtagta	tagtcacttc	tgcttgcttt	tatttaccat	ttgcatggca	tttacttttc
42961	ctttttttca	ttttaagcat	atlttgttct	tagacctaaa	tgacaggata	aagttggatc
43021	cttttttacia	atccattttc	cagtctatat	cttttgattc	aggagtttaa	tccattttaca
43081	tttaaagtaa	ttactgatag	ggaaggacct	acacttgcca	ttttgttggt	tccgtgatgt
43141	tttgtaaatt	ttgtttttta	ttcctttctc	tactgacctc	ttttgggttt	tgctgatttt
43201	tttttggtgt	gacattttga	ttcccttctc	gtttcctttt	gtgtgtattc	tatagatttt
43261	tttatgggta	ccataagaat	tataaaaaac	atcttaaagt	gttaacaagc	tattttaaac
43321	tgtaagaga	ataacttcga	ctgtgtacaa	aaactatttc	ttcaaagctc	ctaccctcac
43381	cttaggttac	ttatgtcaca	agttacatct	tcatatgtaa	tgtattcatt	aacacagttt
43441	tatagttatt	tttaagcttt	tgtcttgtaa	attctataca	agaattaaaa	gtgcatttat
43501	gtacaaaaac	tgcatagtac	agtctctata	tatgtccata	tatttatctt	tactggagag
43561	ctttatatatt	tcataagact	tcagtgtact	atitagcatc	cttttgtttc	aacttgcaag
43621	atactacagc	aggtccagtg	gtaatgaact	ccccagtttt	tgttcatctc	ggaaaggctg
43681	atttttctct	tatgtttgaa	ggatgggttt	gctggatata	ataatttttg	ttgaaatttt
43741	cttttctttc	agctctttga	atatattatc	cccctgcctt	ctggcctgca	agggtttctgt
43801	tgataaatcc	actgataaatt	ttataaaggc	ttcctttttac	atgacaagtt	actttctttt
43861	gctgctttca	agattgtctc	tttgtctttg	acttttgaga	gtttgattat	agtgtgtctc
43921	actgtgagtc	tctgggtttt	ctttaacatt	ttttttttgt	tcatatcttc	tgatgatgaa
43981	ttcctttaac	ttttatatatt	gtgaaatgtt	ttttcttcat	tttcagaagg	tatttttagt
44041	gagtgtaaaa	ttctacattg	acagtttttt	tctttcagta	ctgttttagtg	ttctcttact
44101	gtcttcttgc	ttgtactgat	tgtatagaaa	ctctgctgta	attcttatct	ttgtgtcttt
44161	gtacttaattg	tgctttttta	ctctgcctgt	ttttaagatt	ttatttttat	tattgatttt
44221	gatcatgtgg	cttggtgtga	gtttcttcat	atlttattgtg	cttgggggttc	attgagctta
44281	ttaaagtctgt	aggtttatat	ttttcattac	atlttagaaaa	attgtagcca	ttattcattc
44341	aaattttttt	ctgttcttct	cccatttctc	atgcccttat	gggtctaat	tatatgtata
44401	ttaggctatt	tgaggttgtc	ttacagctca	cttacagttc	ttatgtttat	ttttccactt
44461	ctatttccatt	tgggcagggt	tattataactt	ttccctaatt	tgctaatttt	tttgcaatgt
44521	ctaattccact	gttaattctca	tccaatgtat	tattaatttc	agacattgta	gttttcatct
44581	ctagaaattg	ttcatctttt	tatatcttct	ttgtctctat	ttgatatgct	aagtcttttc
44641	tctagcttct	tgagcatatg	aaatatagtt	atgacaacta	ttttatttta	ttacaacttt
44701	taccttaggt	tcagagggtac	atgtgcagggt	ttgttatgta	ggtaaaactcg	tgctcacagga
44761	gtttgtttat	tatttcatca	ctcagggtact	aagcctagta	cccaatagtt	gtttttctgt
44821	tcctctccct	tctcctaccc	tccaacttca	agtaggcccc	agtgtttatt	gttccctctc
44881	ttgtatcact	actattttta	tgtctctact	agttctctta	tttttgatct	ttctgagttg
44941	atltttatttt	tctcactatg	gccattttct	cctacttctt	tgaatatctg	gtatgcaaat
45001	tataacctagt	atggatatta	tatcaagacc	ctgtcgcaat	atggataacct	aaaagaaaat
45061	aacaatgttt	accagtttgc	tctaagcctt	tcttagctct	tttgcttggt	tctcaagaac
45121	aagcacagag	ggtggagctc	aaccaagact	gaagttaaag	atgtagaaag	attgagatgg
45181	gaagtaatta	agttgaggag	ctctgataca	atgggtatttc	tctttttaat	catgtaagat
45241	gcaagcccaa	gataatatgt	tgggaaagtt	gaaggcgaat	gtcttgagaa	atatgaaatg
45301	cacccaaggc	tatggctggg	tgatagaaat	aactaaaaag	ttttaaaaag	attgttttat
45361	agctggtcct	tgctgagggt	aggggatagg	cctggaaaaa	ttgagcagtg	gtattgcccc
45421	ggcaggactc	ctcatgacat	tctccagatc	cctaagtttt	tccaagtttc	caagcatttc
45481	cttggccagc	aagtcatctc	gcagcacaga	tctactctc	tttcagtcag	tcattccaca
45541	actctacaaa	gcattttttc	ccatcaaattg	ggaacttttg	gggttctgca	taatttttca
45601	gggtttccacc	acttttgact	ctttctggat	accttgtaag	gatattataa	ctctttaatt
45661	catgtccttg	atlttctctt	ttacttttta	atactgttca	ttgcctggtt	acctctttca
45721	ccctcttctt	ttcacttccg	ccctctttct	tgtgtaagta	tataatcatc	ctttttttct
45781	tcctcgaaatc	tcagttctcg	ggagtaacat	atacaattca	ttcttacttc	cagtctttta
45841	ttcctaagtt	ccttatctct	agttctcttg	catatttggtg	gcaattatta	gtttttttcc
45901	aaaaatccat	tctccctttt	tctgtacat	gtatctttcc	agcttgacca	catttccag
45961	cttccctggc	agctaggtga	agcaatgtaa	ctaaaactttt	gcctgtaaaa	tatgagcaga
46021	agttatgtgc	acaatatctg	cctcacttgc	ttaaaataaaa	ttgtattatt	tgagctttct
46081	atattgtccc	tttttacaac	taaaatgtag	agggttatggc	aacttttatg	gtaaagagaa
46141	tcatcacgta	ggagatcaag	aatcattgat	ttgagaggaa	cctaatacct	ttaatgactt

FIGURE 4 (cont.'d)

46201	agtggagcaa	gactgcccc	tcagtctgga	agctacccca	caacttatgt	atatcttcag
46261	attgttgagc	aaaagagaaa	aaatgaagcc	actatatatt	taggtctctt	catgttaaca
46321	gttttagcttt	taacctaac	cacatttatt	cctgaatggt	agcatattat	taacatcaca
46381	ggaagggaat	tccttggtca	tggatctttt	attttggtga	aataaaggta	atctgcttgg
46441	gcttaatact	gccaaaggcag	aattttttgg	aataattatt	tctatagatg	acccattcat
46501	aatgacaact	aacatggttt	ctaaaatgga	ttcatgtacg	tcattcttatt	tagtccccgc
46561	aaaaattctg	aaggtaggta	taattattcc	cattctatat	attgaaaaat	tgggattcag
46621	agagactacg	gacttataca	agtttctgca	gctattttaag	aaacagagta	aagtctcaaa
46681	gccattaatg	aactgttttag	tttagtgctg	cttagtaaaa	ttagaactgt	ttgaagtgcg
46741	ttttaatagt	aaacccatcg	atatttagtc	agctctctgc	ttgctaacta	atatggaaga
46801	aaaaacatac	atctacgtac	atcctgaatt	gggagaagg	aaataaaata	ttgccaatcc
46861	cctttectgt	attaggtagt	gtgataaggc	gataaggctt	ttcattatta	taaagagtc
46921	ctggagaggt	taagcgcagt	cacccaaagt	cacatgacca	gtaactttca	gagattttac
46981	cccaggctg	gaaagactct	gaagcccatt	ttattgcctc	cagagcctgg	tggagaaccc
47041	ctgaatggga	cagagactca	gcagacagag	tggctcctttc	cttcaggga	gtcagggaag
47101	gtttggtagg	ggagatagag	ttagatctgg	gtgggatttg	gatgaaatga	gatcaagcag
47161	ggataaataa	gatccaagct	gtttatgagg	gacagggaga	ggccagctct	gttagaaaga
47221	gtgggtttata	cagagaagca	tggaaacatt	tgctccatgc	ctcgcttcc	atggatagca
47281	gtccagaaat	gctacttgcc	tgccctgacag	tctttctcca	gtccccaggt	gtggacacgt
47341	tctgagcacc	tgagcctggg	tctgcctga	cccagattct	gtgagctggg	acagagaatg
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47461	aaatctgaat	tggcctttct	gtgaacccca	atgacaggca	agtccccagt	aaagaagcac
47521	ttaatttaaat	tgctccttca	gggtccactt	agagtaaatag	ttgtgaacag	ctctccctag
47581	tgtctcccac	aggcagtgc	aaatgttgct	aaagataagt	cacaaattct	tggcaaggcc
47641	atcttaataa	tgggaaggaa	acctgtgtca	gtcctgaaca	gtcctgttca	gactgatctt
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47761	agagaggaca	gctatacata	aagtctgttc	actctacaaa	ggtgaaatca	ttttttttaa
47821	ggtaattatg	attgttctga	ggatggtgat	tgagtgcac	ttaaaaaatg	ggaaaagttc
47881	tactcataac	tctgtctgct	taatttgctt	atataaaaga	cttaattggtt	tttgttgagt
47941	tgatccagag	tcagtaacat	ttgaatatgt	gttattacca	tttgatcagt	aacaaaaaca
48001	cagggttaagt	gggatgccaa	atgtggctga	gagtttaggg	tttacattcc	acaccccagc
48061	cttaaatatg	tttgtataaa	ttattggttg	atttttcttt	ttcatggctt	ttctttgaca
48121	tttgatgggg	ctggatttat	ggaggcaacc	aacaaattac	acagcaatga	attctggact
48181	gtagtcccac	agccttgagc	ctagatacta	gctgtgtcac	taatactctg	tgtgaccagg
48241	gtaagtattt	tagatacatt	tatgactttc	caaatacaata	ggttggaaca	agttattctc
48301	aaaatgtctt	tcagatttga	ccctgaacat	atgcgattct	ggcatgttct	gatttttagt
48361	tttctgttct	tgaagcatgt	ctacaataga	aatgcctacc	ttcatataca	ataaaaggac
48421	attagattaa	tatggtgtct	gtgaaaatca	ttgaacagct	ttagagataa	aaataatgaa
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48541	acaataaatt	ggaacaaaaga	tataatctca	ctacaagtaa	attgtatttt	atgtaaaata
48601	taatttgtct	ttagaaaata	ctcaatgaaa	ttaccttttt	aatttcagag	attttgagga
48661	ctattattgt	tatttcttta	aagtgataaa	tgtaatccaa	gatgcctttt	ttcccccttc
48721	agaagcttga	gtgccaagg	gtttgataaa	tgtggaaaat	aaccgctggt	cgaatatcct
48781	gttggcctgc	tggtagatg	tcacgtgtgt	gtctgaatgc	agtatgtgtt	taaacttgcc
48841	atttattacc	tgaattgtg	ttattttgcc	tcataccctt	agtaatactc	ttgtaatgct
48901	ggctgagaat	tgaagcaaat	gccctatgaa	actcaaggga	gcaaggctct	tgttattttt
48961	cagaagaaat	gactggctga	ggctgtaaag	aaatcttgtg	gtcattctca	tggaaagagg
49021	attggagccc	cgattctttg	atctcattat	tgaccagttg	attgagaaga	ctgtcctcct
49081	gtccccaccc	aatcacata	agtgggtaat	tacctgaggg	ctaatttgct	ccttgaatgt
49141	gaatacattt	gtggaaattt	ccttgtgtc	agcacctgtt	caaaacatcc	atttgtattg
49201	cagagctatt	gtttttctaa	tctattgtg	gagctaagag	agagattgtg	tttaaggttt
49261	ccttcgtaat	aggttttctt	gctccaggaa	ggatgcgtga	cagactctgc	acactgctgc
49321	ttggtaggtg	ttcagtgatg	gatgcgtttt	ccatctccca	ggtacagctg	cagctgtgct
49381	gactctggtg	cgtttgtaat	atgcactgtg	gagtgacca	tgatttcattg	atggctggag
49441	aaatctggtg	gctagaattc	tagggaggag	gacatgagtc	ggaagtgcag	aaacctcaca

FIGURE 4 (cont.'d)

49501	ctgggacatt	gatggagaaa	atccaattct	gtccctggag	ttaaagagga	gtcactcact
49561	gggccatcat	aagagcaa	aaagttacag	ttatttcttc	agatccacaa	ctcaaactca
49621	gcgaaagtaa	ttattcactc	tttttgtccc	aaacaataat	gaaatcagct	aaagcatatt
49681	gtatttatta	cttccactca	agttattgag	ctgttctgac	accttgttgc	tgggaagata
49741	cacagatgga	acaccatcat	ttccattgat	tctgatcata	ccccacgcta	atatagcctt
49801	attgctctga	gtcataggga	ttttatgctt	gcctattcaa	aaaacagttt	ttaccttatt
49861	aaaaggatgat	atgacctgag	ctggagatga	tggttgggtca	ttttgtgtaa	acctttta
49921	atttttagtgg	taaatacatt	tcttgaatct	tgacaaaaac	ataattaaaa	tgaacatatt
49981	taaaatggac	atcttccaaa	tgttcatttt	taaaacaaac	atcttccaaa	tgttcatttt
50041	taaaatgaat	atcttcggtt	actttttttt	ttttttttga	gacggagtct	cgctctgtca
50101	cccaggctgg	agtgcagtgg	cgcgatctcg	gctcactgca	agctccgcct	ccgggttca
50161	cgccattctc	ctgcctcagc	ctccagagta	gctaggacta	caggcgcccg	ccaccagcc
50221	cggctaattt	ttgtattttt	agtagagacg	gggtttcacc	gtgttagcca	ggaaggctct
50281	gatctcctga	ccttctgatc	cacctccac	ggcctcccaa	agtgtggga	ctacaggcgt
50341	gcaataccac	gcccagcctc	ttcttgaact	tttaataaat	aaagagttag	aaggga
50401	ccaaatgtgc	actatgctga	ttttatcttg	agctgtacag	aatgtgcagt	aacttaagaa
50461	tataagtc	tctgctgtta	ttcatactag	cctattcttt	agcattattt	aaacacacat
50521	atttgagtgt	ctacacactg	cctgctaggc	agggggctgg	gtgccaagaa	gggatgtcca
50581	gagataaacg	ggcatatgtg	ttaatctttt	agggcacagt	ccagtaacct	gatcaaggag
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50701	gtactttctc	cccagggaa	ggatgctcag	aaagaggggg	ctgattatgt	ccctggttca
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50821	tggcttggtg	catcagccag	tctgtgagtg	cagggcagtg	ctggagtctc	ggctttaaga
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51061	aaagtga	caatcactgt	tcaagctctg	gtctagcact	caccagtgtt	tttctacag
51121	gtgcatatac	aaacatgctt	ttacatttta	tttttatttt	aaatttttca	ctatcctcaa
51181	tgcagtggga	aacaaatctg	ctttttaa	ttttttttta	aaaatgagat	cctattgtac
51241	acattatttt	aaattttttt	tcatctcttc	ctttttttta	aattaaaaca	attttttttg
51301	agacagtctc	actctgtcgc	ccaggctaga	gtgcagcatc	gtggtctcag	ctcaccgaaa
51361	ccttgccctc	caggttcaag	cgattctcct	gcctcagcct	tccaagtagc	tgggattaca
51421	gacatccacc	accaccgtgt	cagggttaatt	tttgtatttt	tagtagagaa	tggggtttca
51481	ccatttttga	caggctggtc	ttnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
51541	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
51601	nnagcgtatt	cgcccggtgt	gaagatcgta	gtagagtcta	ccacctcggt	cggtgaacct
51661	gtcaggggg	cgcagccggg	gtgggcgacc	cagccaggtc	tgccggagcgg	tgcccgccgg
51721	caacccctc	acggacgctg	ggactcccc	accccgctcc	cattcagcgc	tagcgggtga
51781	ggggccaggc	ccgcccag	tagtcaggca	ggggtcccg	ctcctcccc	aggaccaccg
51841	ccccgcgggc	gctcacgtcc	tgatggcttc	ccacaccagg	agcccgctcg	cccggtagaa
51901	gtagtagggg	atgtcttctt	tgctctccat	gccccggg	ttgatggcct	cgggaaagca
51961	cagggaggca	taggtcaggt	ccttcatggc	cctctgcacc	atctgcacgt	gcccaccg
52021	ccctgtggcg	ttggcctgga	gtgggaggtg	gagtgcctg	agcgggtggc	tcctccaca
52081	gctgtccaga	cccatccctg	aggaaatgtg	ccaggggagg	cgaggaggcc	aggcaggcag
52141	aggtgcaagc	ccttgtcctg	tgagatgggg	gagggatgtt	taacgcagag	aatgacaagg
52201	gcagccgggt	ggagaggtgc	tagggaggag	cctcccgccc	aatccaatgc	aagggactga
52261	accgtggggc	tgacaggtac	aagagggaag	ggtgcgctcc	cagccacagg	agggcagcag
52321	gcgtgggcag	gtgtgtgggg	gacccagca	ccagcggg	tgggctgtga	agtctgtctt
52381	agtgtgtgac	acacgacct	cagtcattgc	tctcagtgtg	cctcagtttc	caggacctat
52441	gcaactctgt	tgagggcctg	ttgtgtgctc	aggtgagggc	tggagagacc	cacaaggagg
52501	gatcctggtc	ctgatccga	tcccggtctc	tgagtgtgac	agacacactc	acaagctcac
52561	tggtcacatat	gtgtgtccac	gtgcacacac	acacatgcaa	atacaccag	ggggctgggc
52621	tgctgggtgcc	acagaggttt	tgaagaagga	cctgggtgct	gggggtgccag	agattggtcc
52681	acgggtgggca	ttcagcccaa	gcaggaccaa	ccagagctgc	ccccagcac	tttctgttta
52741	gatgcggctg	ggagataatg	gccacatgag	aacctgaggt	ggagctacta	tgtatgagctc

FIGURE 4 (cont.'d)

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52801 ctgtgccctc tcccatgggg gcctgtctgc agcaggagag tgtgatgcc aacacaggtga
52861 aagagacaga aagaggggagc cagtgtgcat gcaccctggg gcattgcttg agtccctgga
52921 tccatattctg gctgaggccc ccgaccctct atttgttcca ggtatttgag ataaggcatg
52981 tcttgtccag ctgcagctgg tttgagttgg gttttgtcat ttgcagccca aacagtgtct
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53101 caagggccca tgtgagagtc caagcttggt aaggctacag agggctcaaa acgaggtggg
53161 gtgctacctg agggatgcga gggctgggca gggcctggag tccccgatgc aggagacagt
53221 ggggtgggag ggttgggacc cgggaagcag agtgctgggg aggtccaggt cagggtggca
53281 ggggtgtggc agattaagag gcagacacag gttcctggtg cgtaggaggt cagggggcca
53341 taaggagtggt gttccagagg ggggtctaca ccaggtccc agaggctggg agaggggagg
53401 ggtgggagga ggggaccagg agccatcagt gagaaggaa agcctgggtgt gcgcctggag
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53521 ctgagcagac tccagccttc acccttccag gcctcctgaa aggggtgtct gatctcagat
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53641 acctgtcaa agaggccaca ctgcagatg agctgtcac gggccttggt gttgattgca
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53761 gggcccagtc aggtgacctg gtgcctcagg gaccgcagc tccccaccc aggcctgccc
53821 tataggatga tgctgggcgc agggaggaag tgaaggctgg gtgctgatct ttctgtgaa
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53941 cctggccagc acctgtacaa tgcttacctc tttgtccctt gagttcactg tcttaactctg
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54121 agggacggag agtgatggca ggggcggcca tcagcatcag ccgaggatca ccatgaactc
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54241 agccgcgtgt cctggggaac agcaggctcc tagctgtttt cttcctttag gggcattact
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54421 gggcggtagc tggctgtacc ttgaaaatgg ggtgcacagc aggcagctgg cggtagattg
54481 caatgccaaa aacctcagac accagatgtg ttgcagaa agtggtgatg gtctggtgga
54541 cgtggaagtc actggaacgc acccagattt tggccaaaag ccagtcgat tttgatccg
54601 aagggaggaa aatagggttc tcatctccc ggtttgtgtt gagctgatac attgggggaa
54661 aggaaacaca ctgctatatt tcacttcaga gtatagtgtt tggagaactt cgcctcttgg
54721 gaagttccag aagtatctga atttctttta cagtactttt ggaatcagaa gagcctggag
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55861 attgtatata ttcaggaaag catattaata tccagaatat tatcacttca acatgaaacc
55921 gaataatata attttatttt acccaatata tccagaatat tccttattct aagtcttaaa
55981 aatctaaaac tattaatga gatatttcac attccccacc tccttattct aagtcttaaa
56041 aatcaggtgt gaactttgca cttgcagcag gttttgtttt ggacgagcca aatcccaagt

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FIGURE 4 (cont.'d)

56101	gctccagagc	cctggtggcc	agtggctcca	ccctggtcag	agagacccca	gaagcctcag
56161	cactccctga	ggaccaagga	ggggggaggg	aggagggaga	gcagagtgtg	acttgcacat
56221	taggcgtgcc	tgtctgttta	tacttgagat	tagttggctg	cttttaaata	ccagacagtt
56281	tcacataaaa	at ttgaatga	cctggttttc	ttgaaaaatt	agaaggcttc	agaactctgc
56341	accaggttc	tcacagaact	acgctcttgt	cccttttaca	gagtcccgag	tctcagggtc
56401	cccactgcca	cacccgtttg	catgagatgc	ctgggccact	gatacctgat	ctgtgcccta
56461	gaatgctggg	ctgcctggca	tgctctgaga	cactttctga	catgtcccca	catgctctga
56521	catgttcctg	atggctctgg	gacactgaca	tgttcctgat	ggctctggga	cactgacatg
56581	ttcctgacat	cctctggggc	cgaggagccc	ccctgttgtg	tgctaggggc	tttaccatg
56641	ctatctcact	taatcctcac	tttgaccctg	caaggcagat	attccttgct	gtaccattt
56701	tacatggggg	gaaactgagg	ctccagctgg	tttagcagct	ctcccaagtc	acacagtagg
56761	taaagagctc	agccggcaac	atgatattga	acaggcaaaa	attggaagca	atccccctaa
56821	aaactggaac	aagacaagga	tgtccactct	caccctcct	attcaataga	gtactggaag
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57001	gaagattcct	ccaaaagact	cctagacttg	ataaacaact	tcagtaaagt	ctcaatgtta
57061	taagtaaaat	gcttgttttag	aaacagaatg	cttgttcttc	ggtactgcaa	ggaaaaatca
57121	gcatttagac	aaaaagtttt	tttagcaagc	caattttact	ttctgcagaa	aggggtgctcc
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57241	ttacgcagct	tgtccctgct	accgtgtcct	gtctccattg	gctggagcca	aacctcacag
57301	tctaaactaa	aacccgactg	gctaataact	taaaactttt	ctaaataggt	ataaacagtg
57361	gaaagacaaa	ggaaaagagg	aagttgttta	tgaaaaggact	tagaaaagta	ataacatttc
57421	caaataagga	aggggcatgg	gctgcaagct	gggacatgcc	tgtgagcacg	tccagcacaa
57481	atatcttggg	taaagtacaa	ggacatagaa	tgtactcatt	cccttatatc	taacagctac
57541	atatgatagg	gcttaacaaa	aagttatttag	cacaaagcga	aaaggcttaa	aaaaagttag
57601	tcttttagaaa	aaactattat	ttctaacaca	taattttact	cttaacaaaa	aaaaaacttt
57661	tgactttcta	cactcaagat	acaaaatcag	tgtacaaaaa	tcagtagcat	ttctttttat
57721	ttgagacgga	gtctcactat	caccagggct	ggagtgcagt	ggtgtgacg	cagctcactg
57781	caacctccgc	ctcccagggt	caagaaattc	tctgcctca	gcctcccaag	tagctgggat
57841	tacaggcagg	tgttaccaca	cctggctaata	ttttgtattt	ttaattgaga	cgggggtttca
57901	ccatgtttgg	caggctggtc	tcaaactcct	gacctcaggt	gatctgcccc	cctcggcctc
57961	ccaaagtgct	gggattacag	gcgtgagcca	ctgtgcctgg	cctaaaaatc	agtagcattt
58021	ctatgcacca	acaatgttca	ggttcagggt	gagaaccata	tcaggaaact	ggtgatctca
58081	gttacaatag	ttccccatc	acaaaataaa	ataccaaaag	atgtatccag	ccaaggaggt
58141	gaaagagctc	tacagagaga	actataaaac	actgatgaaa	gaaatcatag	atgacacaaa
58201	aaaattgaaa	aacatcccag	ctaattgggt	ggaagaaaag	aatctacaga	tacaacacaa
58261	ttcctatcaa	attatcaaca	tcatttttca	cagaattaga	aaaaaaaaat	ctaaaattca
58321	tatggaacca	aaaaatagcc	gaatagccaa	agcaatccta	ggcaaaaaata	caaagctgga
58381	ggcatcacat	tacctgactt	caaactatac	tacaagacta	cagtaacaaa	aacagcatgg
58441	tatactggta	caaaaatagg	cacagagatc	aatggaacag	aacagagaac	ccagaaataa
58501	agccatatac	ctgcaaccaa	ctgatttttg	acaaaatcaa	caaaaataaa	caataaggaa
58561	aggacatcct	attcaataaa	tagtggttga	aaaactggct	acctatatgc	agaagaatga
58621	cgctggggcc	ctacctctca	ccatatacaa	aaattacctc	tagatggatt	acagacttaa
58681	atgtaagact	tcaaaactta	aacattctag	aagaaaacct	aggaaaaaat	cttatggaca
58741	tttcctaggc	aaagaattta	tgactagacc	tcaaaggcat	atgcaacaaa	aacaaaaatt
58801	gacaaatgag	acttaatcaa	attaaagagc	ttctgcacag	caaaacaaac	tatcaacaaa
58861	gtaaacagac	aacctacaga	atgagagaaa	atatttgcaa	ctatgcatcc	acaaacgact
58921	aatacccgag	atctatgagg	aacttaagaa	aaaacaccac	cattaaaaag	tgggcaaagg
58981	acaggaacag	acacttctca	aaagaagaca	tacaagtggc	caacaaacat	atgaaaaaat
59041	gcccacatc	actaatcatc	agagaaatgc	aaattaaaaa	cacaaaggga	taccagtcag
59101	atgggtattt	attaaaaagt	aaaaaaatga	cagatgttgg	caggatgcag	acaaaaggga
59161	atgcttacac	actgttgggt	gcagtgtaaa	ttacttccat	ccctgtggaa	agcagtttgg
59221	agattttgca	aagaactgca	aatagaatta	ccagttgacc	caacaacccc	attactgtgt
59281	acctacccaa	aggaaaagaa	attgttttac	caaaaggaca	taggcacaca	tatgtttatt
59341	gcagcactgt	tcacaatatc	aaaatcatgt	aatcaacctc	ggtgccccat	aatagtggca

FIGURE 4 (cont.'d)

59401	ccagataaag	aaaatgtgat	acatgtactc	caaggaatac	tacatagcca	taaaaaagaa
59461	tgaaatcgtg	ttctttgcag	caacatggat	gcagcttagg	attggcactt	aagccataat
59521	cttaagtga	ttaacccaga	aacagaaaat	cgaatactgc	atgttcttat	ttataagtgg
59581	gagctaagca	ttgtgtacac	atgggcataa	aagtgggaac	aaaagacact	ggggactcca
59641	ggaaggggag	ggaggggagga	aagggttgaa	aaactgggta	ttgggtacta	tgctcagtat
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59761	acctgcacat	gtacctgaat	ctaaaatttt	atatattaaa	aaaaaaaaaa	ctgttctgac
59821	cagtaaaaaa	agagctgaat	gaggatgggc	ccagtgcctc	gcctatttca	gcccactact
59881	ctcccttctg	cttctcttca	cctcccgccc	tgaccggggc	tcacctgccc	atctccttga
59941	gctcttgtac	cactgagctg	ggccttcccc	aacctatcct	tcacatcctc	ccactcctgt
60001	ccaggatttt	ggcctgccat	gggatgccag	aacttgccct	gagcaatttg	tgtttcttaa
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60121	tcgtaaaaa	aaatctgagt	catgacagga	gagcctgaga	aagaaaacat	catttctctc
60181	tccagcgccc	agggataacc	accaattctc	ggggagcctc	ctttcatagg	tctttgcatg
60241	tgtgcacatt	tatctgtcca	attttccatc	aactgaatat	gattataatc	aacatctgtc
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60421	taagtgagac	catgcccatt	gccttagcag	tttgaaggag	ctatttgtat	acgacagata
60481	tgtatccttt	atcgggtccc	tgtgtcttgt	ttttccactg	ttaaactcatt	gtggagaccc
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61441	tgtaccctcc	atgtattgat	taattgatttt	gcctgttaac	ttctgcaatt	ctgaaatttc
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61561	ctgcccatt	ctcctttttt	gggtcccgc	ataaatgcct	tggtgtctcg	tagattatat
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61741	tgcacctggg	acagcaggcg	ctgtgggatc	tgctccgggt	ctggccgaag	ctctgacctt
61801	gctccgggtg	tggccgaagc	tctgaccttg	ggctgcccag	gcccaccagt	tatcccgtga
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61981	ttcatttgca	tttctctaac	tacagggtga	gttaggagtt	tttccatatg	ctgggtgccc
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62101	gtattgggtat	tttcccgtca	atgtaaagga	gctacctgtg	tatcatagat	aggcatctct
62161	tagctgtcac	ttctgttatg	gttactcacc	ctaattctct	ttttgctttt	tggttttgtt
62221	tatggtttat	cactcaagtt	ttaaaacatt	acataatcaa	atatgcttag	ctttccctct
62281	ataacttctt	ggtttccctt	tccttctaaa	agtcttctga	gtgtctgctt	aattagtttt
62341	tctaaattcg	tttacttttt	tctattttaa	tttacttcca	tctgaatttt	tctttttctt
62401	tctaagcaac	tctctacat	gatgagat	atgtttgtaa	atggcatgac	agagcagtc
62461	aattttaatt	tcttctcatg	caaaggcagt	gtgatagcat	cattaaaaata	atatcccttt
62521	ttcactgagt	tgaaaaacct	ccatttgtgat	acactgaatt	cctctgtggg	ggagtccatt
62581	tctggatctt	actctatact	gtcccccaat	tctctctgtt	ttcaagcaca	gtgtctgctt
62641	aacagtaacc	ttacaaatcc	agcaaggaaa	gtgttccttc	tggtgtttct	tttacttttt

FIGURE 4 (cont.'d)

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62821	agcagttggg	attacaggca	tgcgccacca	tacctaattt	tttctattaa	tttttttttt
62881	ttttaagaca	tgaggctctca	cttgggtgccc	ctgcctctct	atgtgggtttt	aatttttttc
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63061	attctggctg	aaattttact	tgggaagtga	ttaagttttt	ataatagaat	ttggtagaac
63121	tgacattttt	acagtttcct	ccccaatata	aaatcactgt	taagagttca	ttgtatatcc
63181	tttaaataaa	ctttatagtt	ggccgggtgc	ggtagctcac	gcctgtaatg	ccaacacttt
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63361	aatcccagct	actcgggagg	ctgaggcagg	agaattgctt	gaacctggga	ggtggagggtt
63421	gcagtgagcc	gagatcacgc	cactgcactc	tagcctgggt	gacagtgcga	aactccatct
63481	caaataaata	aataaataaa	taaataaata	aataaataaa	taactttata	gtttttcctt
63541	atatgggcat	tatattttat	tgttagtatg	gagaaaggct	attgattttt	ttgagaaata
63601	tatttatcta	aacactttgc	caaatgaatt	tattaatcta	gtagctttta	aaaaatttag
63661	aatctcttgt	gttttctagg	tctaccatag	cattaccaga	aaagatcatc	ttccctgttc
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63781	atgttgaata	aaaacagtga	tatcagcatt	cttattattt	taatggaaat	ggcattagag
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64081	cgctaataatc	acctttagtt	ttcttttaaa	tctttattta	atacttggat	tggctctcag
64141	ccttcttttg	aagcctgcct	gtatccagtt	tcagaactaa	gcttacacca	gctttatatg
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64381	ttgccatatt	actctcattt	aaaaaatatg	taatcataat	tactgttctt	tttttttttt
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64801	aggaacattc	tgtggcttgc	tcaaggctcc	acagcctgct	agcaagtggc	tgaactggaa
64861	tttaagctag	gcccctgact	ccaggctgct	ccaagagatc	tctgagccaa	gtctttgaag
64921	gcacccatcg	tgggtgcctgg	gatctccggg	gatctcccag	caattttgtc	ttcttttagg
64981	tcacctgtcc	ctttacctgc	tgtctcagtt	tcttaggcac	agggcttctc	tctggtaaca
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65281	atccagaatt	tttaggattt	tagcagtggg	tatacttcat	tatgtgccat	acccctccc
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65461	agaaggtttg	tttacaacaa	atgaatttgc	tgcacagttt	tgaatatatg	agcagttttc
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65701	ctctgcgcag	ttcctcccct	ctcccaggga	cctatgcccc	gtccagctct	ggccttggcc
65761	cctgctgtct	gcacaccagc	tcccagcctg	gcagcaggct	ggtgccagga	acagggggag
65821	acaaagccct	gtgcccgcct	gcctttcctc	cagggtctcc	ctcttctctc	tgccctcatct
65881	ccggtggaca	taagaactca	catcatcatc	aaagggtggc	taccaggact	ggcctgggtc
65941	ctgaccccag	aacccatggt	gcccctcagt	ggtcttggtc	tccagcttag	tccacagctt

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FIGURE 4 (cont.'d)

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66601 ccaaggctga ttgattcaca tgggaaggtg tcacaggttg tggcagttcg gggtaagatg
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67561 caggtcaccc caggttaagc ggttccctcag cctcagggct ttgtgactcg ggccccaagg
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69241 atgattattt tctgttctat ttgtgcttag tccaattcct tgcacatagt aggtacccaa
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FIGURE 4 (cont.'d)

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69361	aatgggtctt	gttccatgtg	ttatatccca	atcaccccaa	acagctcact	gccatctccc
69421	acaccaagag	aaaaaaaaag	ccatagtcac	cgtgatttta	tcaaggcaaa	agcctcccca
69481	cccaagtctg	gatagaaggt	gctttttccc	tcaagcagtg	tctactctct	ttggaacaca
69541	tcccaaagt	caccacctct	gggaaggcat	ccttggttcc	tgtctctacc	ctggatttgt
69601	cagaacctct	gttcttgccc	cctctgtggt	ctctcccttg	ggacaggagc	ccctggaagg
69661	acagaaaacc	cactttattt	atgtctgtgc	cccagggtcg	gcataaggca	ccagcactca
69721	gctgttctct	ccttttctct	ctggaagggc	acctagctaa	tggatattag	gcattgtctt
69781	gggagctggg	ggcttatttt	ttcctgaggc	agggttctta	acatgacata	aaaaataaaa
69841	atgggcaggg	cgcggtggct	cacgcctgta	atcccagcat	tttgggaggc	caagggtgga
69901	ggatcatttg	aggtcagaat	tcaagaccag	cctggccaac	acggtgaaac	cccactctta
69961	ctgaaaatac	aaaaattagc	caggcatggt	agcaggtacc	tgtaatccca	gctactcagg
70021	aggctgaggc	aggaaaattg	catgaacctg	ggagacagag	gttgacagaga	gtggatatcg
70081	caccactgca	ctccagcctg	ggcaatagag	cgagactctg	tctcaaatag	ttaataaata
70141	aataaaattaa	attaaataaa	aacgcattct	ctttccccag	ccccaaagt	cagagcccg
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70261	cagcccctgg	cttcggaatc	atgtcatcag	ggctctccat	gtctctggaa	ggtgcttcca
70321	gtgtggcagg	ccatcagctc	agtgtctggg	taaaggcttc	tacaggggcca	gcatggcata
70381	ggggggagggt	gtgcatgctg	tctgaagcc	acaaggctct	ctgaggagac	ctgactattg
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70501	ggagaatttc	ccaccacact	tatgaatgat	cttcgggaca	ggtgacataa	acatacagct
70561	atggtagagg	cattcagctc	catgccactg	tgagaatgaa	cataccaact	tttaggcaac
70621	aaggccatgt	ggtcaaggag	agaggagaaa	cgaataggag	taggcagggg	tggtgaagca
70681	ggtctgacat	tggcaaaagt	gacagagaag	gattgggttg	gaagggtctc	agatggcaga
70741	gaacctctga	aaaagtctca	tgccagctaa	tgaagagtcc	tcaaagtcac	catcacagaa
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70861	cgtgtggcag	ctgagatcgt	cagttaatta	tgttctctgc	agctgggtcct	tctggttccc
70921	tggagctggg	tatctgagta	gcacagctcc	actgctacca	caggagaggg	agaatcccaa
70981	attctgtgca	tagactgtct	aaacctctgg	atgaccctta	agacacatgt	acataaggca
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71221	gtctgtctcc	aagaggatgc	cctctgtgct	gtgtcctcac	ccagcagaag	agcaaaaaag
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71341	ctcaagaatt	aatcatttct	caaaaggccc	ctcctcctaa	tgccatcacc	ttgggggtta
71401	agttccaaca	catgattttt	ggaaggacac	atacattcaa	atcattgac	aaccaaaagt
71461	atatttgaac	tttcaaatag	tttgacgttt	gagatcaact	aagtttaatt	tttcttgaa
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71761	tcctggccaa	cacagtgaag	ccctgtctct	actaaaaatg	caaaaattag	ctgttgagac
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72181	tgggtgaata	cagtgattaa	tagatagaaa	tctgtggtaa	agcatacgga	gaaaaatgtt
72241	aattgtagat	tctagggttt	atatatatct	tcactatata	attaaacgtt	tttatgttta
72301	aaaattttta	taatgttgaa	aaacctagaa	atcctaccta	acgcagtaag	acagaaaaaa
72361	gagataaaag	gtatatgtac	tgggaagttaa	gaaataaaac	cgtcttttgt	agcagatgac
72421	atgctcatct	atgtagaaaa	tccaaaagaa	tggataaaga	aactcctgga	actaataagt
72481	ggttacagta	aggttgtagg	atacaagggt	aatatacaaa	agtcaatcac	tctcttattc
72541	accagtaatg	aacaagtgga	aattgaaatt	caaaaacaaa	tactattttac	attaatactc

FIGURE 4 (cont.'d)

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72601 caaaaataca tacttaggtt taaatctaataaaaatacata caagatcttt atgaggaaaa
72661 ctgcaaccct gatgacagaa atcaaagaga aactaaagaa atagacataa gtaaattattc
72721 ccagaaaga ctcaatattg tcaagatgtc agttcttcaa aacttgacct atagattcaa
72781 tgcaatccta atcaaaatct cagcaagtta tgttggtgat actgacaaac ttattctttt
72841 tttttttttt tttttttttg agacggagtt tcgctctggt gcccgagctg gagtgcagtg
72901 gcgcgatctc gactcactgc aagctccgcc tcccggttc acgccattct cctgcctcag
72961 cctcccatgt agctgggact acaggcacgc gccaccatgc ccggctaatt tttgtatttt
73021 tagtagagac ggggtttcac cgtggttagcc aggatggtct cgatctcctg acctcgtgat
73081 ccaccctgtc cggcctccca aagtgtctggg attacaggcg tgagccaccg cgcccgcca
73141 acttattcta aaatttagat agggaagcaa aagaccaga acagctaaca caacaatata
73201 gtaggaaaac aacaaatttg gaaaatggat actaccaac tccaagactt actataaagc
73261 tacagtaatc aagatagtgc cgtattggtg aaagaataga caaatagatc aatggaacag
73321 aatagagagc ctaagaaata gaccttcata aatacagtc actcatcctt gacaaagtag
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73501 caaaaattaa ctcaaatgg attatagatc taaatgtaaa attcaaaact ataaaattcc
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73621 caaagccatg gtccatgaaa gaaataattg gtaagtggga cttaattaaa attaaaacct
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73981 aaaaactgtc tctactaaa atataaaat agctaggcat ggtgatgcat gctgtcatc
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74101 tgagccaaga tcgcgccatt gcactccagc ctgggcaaca agagtaaaac tctgtctcaa
74161 gaaaaaaaaa aaaaagctgc acattctatg ttatcaggga aatgcaaatt tagaataacg
74221 caataacaag ataccactac atacatatta gaatggccaa aattgagaac actgacagca
74281 ccaaatgtgg aggaggatgt ggagcaacag gaactagaga gaatgcaaaa tggatatagcc
74341 acttaggaag acagcttggc agtttcttac aaaactaaat atactcttac cacacaatcc
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74821 gaatgtagaa caccaagagt gaaccttgaa ctatggactt tgagtgtga ggatgagtc
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75661 ataacacttg tgatgtggct caggaaagat tcatattctc actgtaggaa ggttaagtga
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75781 ctagaaatgt atcttcagaa gtgccctcc ctccctcaca ccccccaag tgtacaaaaa
75841 taaatgacat ggatgtggac tgcagccttg tttctaatac caaaaatcag taaacaacct

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FIGURE 4 (cont.'d)

1007141-020702

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75961	atgcctgggt	tctaacatag	aaaatatcaa	actggttggt	agatgaaaa	agcaagttgc
76021	aaagtggagg	aatgtgtaaa	tgcagtaagc	aaaatacatc	atatatatag	tactttctat
76081	gtattttacct	atatgagcgt	gatgcctcca	actgcatagc	tgtggctccg	ggagcaggac
76141	cttgtaacag	agcctctgcc	cctgactgtc	ctgagggggc	tttccctggg	aaaggaacca
76201	ggtttgattt	tcagtctctt	ttgttatcac	catgctgaca	gctttgcttg	tcatatgcct
76261	ttccctccgc	tgtactgatt	ttaccttaca	gaagctctcc	ttagtgcttc	atcagacact
76321	ccctcttttc	caaagaaaag	acagccgcat	tccatggtca	tctggttgag	ctcgaggtag
76381	gccccaggga	tcagtgtcct	cccaccaggc	tgacacccca	gtggtgagga	gttgccctt
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77221	gagacagcag	cacatctggg	caagcctggc	ttcccacccc	tcacctctgt	caacctctga
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79081	agatggtgtt	aggcagaaaa	gaagggagag	ggcttcccat	gagaatctgg	ctgggcatgg
79141	gagggataca	gggctcagtt	atcaaggcac	ctttgccata	gtgggggtgcc	agctacattg

FIGURE 4 (cont.'d)

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81661	attataggcc	ttgagtctct	tccacaattg	cacatacact	ttacactgaa	catacataaa
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81781	taggattcct	ggaagggaag	aactcagcct	attagatttt	atttaagata	tgtcttcacc
81841	acggggctga	agnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
81901	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngcggtga
81961	ctgtgacatt	gagggtcggc	gtcgggggag	agggaaaagg	agagggagag	ggagagggag
82021	agggagaggg	agagggagag	ggagagccat	atgtagttta	aagtagtttt	tttccaattc
82081	tgagaagaag	gtcattggta	gcttgatggg	gatggcaatg	actctataaa	ttaccttggg
82141	cagtatggct	attttcacga	tattgattct	tcctacctat	gagcatggaa	tgttcttcca
82201	tttgtttgta	tcctctttta	ttctcttgag	cagtggttta	tatttctcct	tgaagaggct
82261	cttcacatcc	cttgtaagtt	ggattcctag	gtattttatt	ctctttgaag	caattgtgaa
82321	tgggagttca	ctcatgattt	ggctctctgt	ttgtctgtta	ttgggtgata	agaatgcttg
82381	tgattttttac	acattgattt	tgtatactga	gactctgctg	aagttgccta	tcagcttaag
82441	gagatttttg	gctgagacga	tgggggttttc	taggtataca	atcatgtcat	ctgcagacag

FIGURE 4 (cont.'d)

82501	ggacaattttg	acttccctctt	ttcctaatacg	aatgccctttt	atttcccttct	cttgccctgat
82561	tgccctggct	agaacttcca	acactatggt	gaataggagt	ggtgagagag	ggcatccctg
82621	tcttgtgcca	gttttcaaag	ggaatgcttc	cagtttttgc	ccatgatgta	tgatattggc
82681	tgtgggtttg	tcatagatag	ctcttattat	tttgagatac	atctcatcaa	tacctaattt
82741	attgagagtt	tttagcatga	agcgttgctg	aattttgtca	aaggcctttt	ctgcatctat
82801	tgaataatc	atgtgggttt	tgctattggt	tctgtttgta	tactgggtta	catttattga
82861	tttgtgtacg	ttgaaccagc	ccttgcatcc	cagggatgaa	gcccacttga	tcatgggtga
82921	taagcttttt	gatgtgctgc	tggattcggt	tgccagtatt	tattgaggat	ttttgcatcg
82981	atgttcatca	aggatattgg	tctaaaatgg	gttttttgtt	gggtctctgc	ccagctttgg
83041	tctcaggatg	atgcctcccc	tattaaaaga	gggagggagg	attccctctt	tttctattga
83101	ttggaatagt	ttcagaagga	atggtaccag	ctcctccttg	tacctctggt	agaattcggc
83161	tgtgaatcct	tcaggctcctg	gactgttttt	ggttggttaag	gtattaattg	ttgcctcaat
83221	ttcagagcct	gttattgggtc	tattcagaga	ttcatcttct	tcttggttta	gtcttgggag
83281	gggtgtatga	tggaggaaatt	tttccatttc	tcttagattt	tctagtttat	ttgcatagag
83341	gtgtttataa	tattctctga	tggtagttta	tatttctgtg	ggatcagtgg	cgatatcccc
83401	tttatcattt	tttattgcat	ctatttgatt	cttctgtctt	ttcttcttta	ttagtcttgc
83461	tagcgggtcta	tcaattttgt	tgatcttttc	aaaaaaccag	ctcctggatt	cattgatttt
83521	ctgaaggggt	ttttgtgtct	ctatttcctt	cagttctgct	ctgatcttag	ttatttcttg
83581	ccttctgcta	gcttttgaat	gtgtttgctc	ttgcttctct	atttcttttc	attgtgatgt
83641	taggggtgtca	atttttagatc	tttctgctt	tctcatgcgg	gcatttagtg	ctataaattt
83701	ccttctacat	attgctttga	atatgtccca	gagattctgg	tatgttgtgt	ttttgttctc
83761	attgggtttca	aagaatatct	ttgtttctgc	cttcatttca	ttatgtatcc	agtagtcatt
83821	caggagcagg	ttgttcagtt	tccatgtagt	tgagtgggtt	tgagtgagtt	tcttagtctt
83881	gagttctagt	ttgattgcac	tgtgggtctga	gagatagttt	gttacaattt	ctgttctttt
83941	acatttgctg	aggagagcct	tacttccaac	tatgtgggtca	attttggaat	aggtgtgggtg
84001	tgggtgctaaa	aaaaatgtat	attctgttga	tttgggggtg	agagtctctgt	agatgtctat
84061	taggtccgct	tgggtgcagag	ctgagttcaa	ttcctgggta	tccttggttaa	ctttctgtct
84121	cgttgatctg	tctaattgtt	acagtggggt	gttaaagtct	cccattatta	ctttgtgggt
84181	gtctaattct	ctttgtagat	ctctaaggac	ttgctttatg	aatctgggtg	ccccgtact
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84301	gtaatggcct	tctttgtctc	ttttgatctt	tgttgggtta	aagtctgttt	tatcagagac
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84421	attttgaacc	tatgtgtgtc	tctgcatgtg	agatgggttt	cctgaataca	gcacactgat
84481	gggtcttgac	tctttatcca	gttttccagt	ctgtgtcttt	taactggaac	atttagccca
84541	tttactttta	aggttaatat	tgttatgtgt	gaatttgatc	ctgtcattat	gatgttagct
84601	ggttattttg	ctagttagtt	gatgcagttt	cttccatgca	tcgatggctc	ttacaattgt
84661	gcatgttttt	gtgggtggctg	gtatgggttg	cccccttcca	tgttttagtgc	ttccttcagg
84721	agctctttta	gggcaggcct	ggtgggtgaca	aaatctctca	gcatttgctt	gtctgtaaag
84781	gattttatgt	ctccttcatt	tatgaagctt	agtttggttg	gatatgaaat	tctgggttga
84841	aaattctttt	ctttaagaat	gttgaatat	ggccctcact	ctcttctggc	ttgtagagtt
84901	tctgccaaaga	catgagctgt	tagtctgatg	ggcttccctt	tgtgggtaac	ctgaccttct
84961	tctctggctg	ctctcaacat	tttttccctg	atttcaactt	tggtgaatct	gacaattatg
85021	tgtcttgag	ttgctcctct	cgaggagtat	ctttgtggca	ttctctgtag	ttcctgaatt
85081	tgaatgtttg	gctgccttgc	tagattgggg	aagttctcct	ggataaatatc	ctgcagagtg
85141	ttttccaact	tgggtccatt	ctccccgtct	ctttcaggta	caccaattag	atgtagattt
85201	ggtcttttca	catagtccca	tgtttcttgg	aggctttgtt	catttttttt	ttcttttttc
85261	tctaaacttc	tcttcatgct	tcatttcatt	gatttgattt	tccatcccca	atacccttct
85321	ttccagttga	ttgaatcagc	tactgaggct	tgtgcattca	tcatgtagtt	ctcatgccat
85381	ggttttctgc	tccatcagg	catttaagga	cttctctgca	ttggttatct	tagttagcca
85441	ttcatctaat	tttttttcaa	ggtttttaac	tgttttgcca	tgggttcgga	cttctcctt
85501	tactcagag	tagtttgatc	atctgaagcc	ttcttctctc	aactcgtcaa	agtcattctc
85561	catccagggt	tgttctgttg	ctgggtgagga	gccgtgttcc	tttggaggag	gagaggcact
85621	ctgattttta	gagcttccag	tttttctgct	ctgtttgttc	ctcatctttg	tgggtttatc
85681	tacctttggt	ctttgatgat	ggtgacgtac	agatgggggt	ttgggtgtgga	tgtcctttct
85741	gtttgttagt	tttccctcta	gaattcagga	ccctcagctg	caggtctgtt	ggagtttact

FIGURE 4 (cont.'d)

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85801 ggaggtccac tccagaccct gtttgccctg gtatcagcag cagaggctgc agaacagtgg
85861 atattggtga acagcaaatg ttgctgcctg atcattcctc tggaaagtttt gtctgagagg
85921 agtaccacagc cgtgtgaggt gtcagtctgc ccctactagg gggcgccctcc cagttaggct
85981 attcgggggt cagggaccca cttgaggagg cagtctgccc attctcagat gtcaagctgt
86041 gtgctgggag aaccacttct ttcttcaaag ctgtcagaca gggacattta agtctgcagt
86101 ggttattgct gtcttttggt tgtctgtgcc ctgcccctgg aggtggagtg tacagaggca
86161 tgcaggcctc cttgagctgt ggtgggctcc agccagttca agcttcccgg ctgctttggt
86221 tacctactca agcctgggca atggcgggca cccctcccc agcctcgctg ccgccttaca
86281 gtttggtctc agactgctgt gctagcaaag agtgaggctc tgtgggtgta gaaccctcca
86341 agctatgtgt gggatataat ctccctggtg gctgtttatt aagcccattg gaaaagcaca
86401 atattagggc aggagtgaac caattttcca ggtgccatct gtgaatgctt tctttgacta
86461 ggaaagggaa ttccctgacc tcttgccctt cccagggtgag gtgatccctc accctgcttt
86521 gggtcacgca tgggtgtgta caccactgt cctgcaacca ctgtctggca cctcccagtt
86581 agatgaaccc ggtacctcag ttggaaatgt ggaaatcacc tgtcttttgc atcgctcatg
86641 ctggggagctg tagactggaa ctgttcctat tcagccatct tggctccacg tatatccact
86701 gccacacttc tttagtata aagtgagtgc cttggtcaga ggcaatgctg tgtggaatac
86761 catgatggtg gataaggcat tctgtgagtc catgaatggt agtcttggca gagcattgtg
86821 ttcagtttag gcaaaccocat atccagagta agtgtctgtt tcagttagga caaacctctg
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87181 ttgattatta aaatcctcct ctgctgagat caccatttgg tgagcactca catgggatcc
87241 aaatatcttc acagggtttt ggcactcaga gaggtccatc cacatacctc ttccccaaat
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87361 attggctaca gcccatgaat caatatataa tcgcacatct ggccatttat ccttccatga
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87481 actgcccttc agtgatgtcc tagaaagggg ctgtagtgtc gcagctgtcc acttttgggt
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87601 caactgatca tagagaactc cccatgaggc catcggtgca ggctggggaa gagaagggtg
87661 ggtggcagtt gtggagacca tgggcatttg agctacttcc ttgtgtaact tacttgtgcc
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87841 ttcagttcac atggtgacct gatgacctat aatcaaatgt tcagtttcca ccaaagctca
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88741 ccgtatctgg tacagcagct gcaattggag tcaccactta gtttaagctta tgaatgagg
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88921 caatccctcc agggatgtga tattgttttt gatttaccat ttttctaggt agaggcagct
88981 ctaatgcctt ccatttggcc tttccacca taataggcct caccctacca gtcaggagc
89041 caatgtgggt gttcttccag ctgctaagta tgtctatgcc aattatgcat tctggcactg

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FIGURE 4 (cont.'d)

89101	gggaaatgaa	cacaggatga	gcctggggac	ccattggacc	cactgtaagt	cagacctgag
89161	ctaaaactcc	attaattacc	tcacctccat	aagctcctgc	tttaactgga	ggaccacaat
89221	gacgttttga	gtcccttaga	attaacgtca	gctcagagct	agtgtcctgt	aatcccccaa
89281	atgactgata	atttcccttt	ccccaatgca	cagttacctt	gataaaaggc	tggaggtctc
89341	cttgggaaaa	aatggggagaa	agattaacag	cataaattgt	tggtagtgta	gtgggctcct
89401	tccttaaatgg	gacccaactt	cccctttatt	caaggggttc	tgtgtctgta	aactgggtca
89461	agtcaaaaaat	tgattgaggg	gccatgattc	tctattttta	taattcaaag	tagtgttttg
89521	tccatttgac	ctggaagttt	tctgcttata	taaattaagt	aggaaagaag	taggcacctc
89581	aacaattttca	cttctgggaa	cactgtgatt	aattagcgaa	tgccagaact	ctacatgagt
89641	cagactatttc	tgattgctgc	tttgccacta	ctgtctgtta	tggtagttat	gcccaccttg
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89761	tgtattttacc	tttattagtt	gagtgaactgt	ggttctcacc	attggatctg	atatgcagag
89821	aattcaagggg	ctcttcaaag	atgcaggtgc	taccctcaca	gatctatttt	aacagggtatt
89881	gggtcaagggg	atatcttctg	ggcccttcca	tctgggatga	gtaggtctaa	agtgactaat
89941	ccactccacc	atctcaatct	ctctaagcct	ttggatccct	tcctctacat	taaaccaaga
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90061	taagcaaata	aattattaga	accttttttt	aactccctga	gctgcaatat	taaatgcaga
90121	gtctctactt	agtgggcccc	aatcaacaaa	ttcagcctga	tccaactcta	tgttccttcc
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90241	taaattagaa	aactcaagta	gttcttttca	agtatagtga	acctcctcat	gggtttcact
90301	ctcaacctca	cctcttgggg	cccataagga	ctttagtctg	gttataggctc	tagaagcaga
90361	caggggtggt	gggggtggct	cctgaggaga	atcaacatta	ttttgcttgg	caactgctca
90421	ggggggggcca	tcaactgttg	cttaggcagc	acagtgttta	tctcccaga	caaatatgga
90481	aaggctgatg	gcagcatggg	tcagggagag	gatgtcacca	ctactgggga	tggggaagct
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90601	tcagggtcct	cccacatgtc	cccttttcaa	gttgccaggg	cccattcttt	tccaaacgat
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90721	gccacttgca	caataagagc	tcatatccat	tttcccacaa	tttcagctct	ttctctgcag
90781	gagataatac	tttcaactcag	ggcaatctta	gcagatttga	ggctcagtat	ctgcttctga
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90901	agaaaccaac	caacttcatt	atgtttccac	atatggtcaa	aggtattatt	tatagagtca
90961	ctaaactcct	tgcctctcat	gagcgtgaa	tcaggaatgt	caaatgcatt	tattttgctt
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91261	gtttattaaag	tattaaactca	catgatcaca	aggtcccaca	ataggatatc	tgcaagctga
91321	ggaacaagga	gagccagctc	aagtcctaaa	ctgaagaact	tcgagtctga	tgttcaaggg
91381	cagggagcat	ccagtaccag	agaaagatgt	aggctgggaa	gctaggccag	tttagtcttt
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91501	caccaggtt	aagcgtgggt	ctgcctttcc	cagcccactg	actcaaagt	taatctcctt
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91801	gaattgttac	aattgcattt	tgaattgtta	ttattttaaa	ataggtcaat	ttctaaaatag
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92161	tgaatgtttt	aggctaaaga	cttgggtggt	ctttggtctt	tgggaagttt	ctttaatact
92221	ctcttttaaa	ttgtctgatt	ccacttcttg	gttccctttt	caggaacacc	aagtattcac
92281	acagtggata	gtcatctgtc	ctctacttct	aaaattttgt	tatttaacaa	aatgttataa
92341	aagtagaatc	acatttatgt	aacctttttg	gattgatgtt	ttttgctcag	cataattttc

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FIGURE 4 (cont.'d)

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92461	tattccatgc	tatgtattta	caacagtttg	tttaccatt	cacctgttga	aaaacatctt
92521	ggctgaatct	agttcttagc	tattaatatt	ataaacaag	atgctataaa	catttgtttg
92581	acagtttttt	gtgtgaagtt	tttatttttc	tgggataaat	gcctgggagt	gcaattgctg
92641	ggcatatga	tagttgtgtg	tttttctttg	agaaactccc	aaaatttccc	agagtggatg
92701	aagtatttta	tgtttctatc	agtaatgtat	cagtgatccg	gtttctacac	atccttacca
92761	gcatttggtg	gtgtcatgat	ttttaatttt	agccattctg	atagatgagt	agtgatagct
92821	tattgttggt	tcaatttgca	tttccctaaa	acctaataat	tttgaacatc	ttttcatgtg
92881	attatttgct	gtccatgaaa	tatctgtgga	aacagtgagt	agaaggatgc	tttccacagt
92941	ctgagaagga	cagctgggag	aggtggatga	agagagggtg	gtatatgggt	acaaaaatac
93001	aattaagacc	tctgggtccat	gctgggcaca	gtggctcatg	cctgcaatcc	cagcaacttg
93061	ggaggccaaa	gcgggtggat	cacctgaggt	caggagctta	agaccagctt	ggccaacatg
93121	gtgaaaccct	gtctctactg	aacatacaaa	aattagccgg	gcatggtggt	gcgtgcctgt
93181	aatcccagct	actcaggagg	ctgaggtggg	agaatcactt	aaaccgggga	ggcgaagttt
93241	gcagtaagcc	gaggtcacac	cactgcactc	cagcctgggc	aacagagcac	tccagccggg
93301	gcaacagagc	aagactctgt	ctcaaaaaaa	taaaaataaa	taaagtaaaa	caaaataaag
93361	agttccaatc	cagcagagag	tgtggtgaga	tgggtgcggg	ccagctccct	gggacttctg
93421	agcctttgcc	ctggccagtg	ggggagctga	gccaggatag	gctgtagcct	ctgccccgtg
93481	acaccaggac	ccttggtggtg	gctgccacca	ggacccttgg	ggtgggtgcc	tgggccttga
93541	agatgcagca	agcctccctt	ccccctacac	ctcagtgaat	gaggtggtg	gtggcctttc
93601	ccaggccgca	cctgcccggg	tatagacgaa	gtccccactg	agcctggaatg	cagtgccttt
93661	gggtggtggt	gggagtgcca	ggggcagctt	ggtgactatc	cgggtgtgag	gattgggaag
93721	gtgctcttgg	gatgcaggac	acgggctcag	ccacctcttt	aggccatggc	gctgccagat
93781	ccgggtcctg	gtgaccactc	tgtcccagct	gggtgagact	tacctagtcc	tgaggacaac
93841	agacaatggc	cttaatatggc	ctggaaggtg	agtggaggca	cagaggagga	cagtgtggaa
93901	cagtttagcag	gcattgggct	gttgggtctt	cttctaccag	acctggaagg	acctcacatt
93961	tggcctatgg	gaaatgccc	ccacactttg	ggaagattta	ctatctgctt	ctagaaggct
94021	gtgtgtatat	tatgaaaaag	ctattctcaa	ctcaccacca	accttttaat	agataacatc
94081	tgtggggagg	ctgacaagat	ggctgaatat	aaacagctca	ggtgtgcagc	tcacagttag
94141	atcaatgcag	aagggtgggtg	atttctgcac	ttccaactga	ggtaccgggc	tcatctcatt
94201	tggactgggt	agacagtggg	tgcagcccat	ggagggtgaa	ctgaggcagg	gtgggggtgt
94261	gcctcacctg	ggaagtgcga	ggggctcagaa	aactcccctg	ttagccaagg	gaagctgtaa
94321	ggagctgtgc	catgaggagt	ggtgcattcc	agcccagata	ctatgctttt	cccatggtct
94381	ttgcaaccca	cagaccagga	gattccctcc	agtgtttatg	ccaccagggt	cttgggtttc
94441	aagcacaata	ctgggtggcc	atttgggtag	acaccaagg	agctgcagga	gtcttttttc
94501	ataccccagg	gatgcctgga	atgtcagcga	gacagaacca	ttcactcccc	tggaaagggg
94561	gccgaagcca	gggaaccagg	tgggtctagct	cagtggatcc	cacccccatg	gagcccagca
94621	agctaagatc	cactggcttg	aaattcttgc	tgccagcaca	gtagtctgaa	gttgacctgg
94681	gatgctggag	cttgggtatg	ggagggggcg	ctgccattac	tgaggcttga	gtaggcagtg
94741	ttcctctcac	agtgtaaaac	aaactgcaag	gaagttccaa	ctgggtggaa	cacaccacag
94801	cgctgccagg	ctgctgtagc	aagactgcct	ctctagattc	ctcctgtctg	ggcaggggcat
94861	ctctgaaaaa	aaggcagaag	ccccagtcag	ggacttatag	ataaaactcc	catctctctg
94921	ggacagagca	cctgggggaa	ggggcagctg	tgggtgcagc	ttcagcagat	tttaacatcc
94981	ctgcctgcca	gctctgaaga	gagcagtgga	tctcccagca	cagtgtttga	gcagactgcc
95041	acctcaagtg	ggtccctgac	cccctggcct	cctgaccggg	agataccttc	cagaagaagc
95101	caacagacac	ctcacacaag	agagctccag	ctggcatctg	gcagggtgcc	ctctgggaca
95161	aagctttcag	aggaagggaac	aggcagcaat	ctttgctgtt	ctgcagcctc	cactgggtgat
95221	acccaggcaa	acaaggtctg	aagtagatgt	ccagcacact	ccagcagacc	tgcagcagag
95281	aggcctgact	gttagaagaa	aaactaacaa	acagaaaagg	atagcatcaa	catcaacaaa
95341	aaggacatcc	actcagaaac	ccatccaaaa	ggtcaccaac	atcaaacaca	aaaggtaggt
95401	aaatccatga	agatggggag	aaaccagcac	aaaaaggctg	aaaattccaa	aaaccagaat
95461	gcctcttctt	ctccaaaaaa	tcacaacttc	tcaccatcaa	gggaacaaaa	ctggatggag
95521	aatgaatttg	atgaattggc	agaagtaggc	ttcaaagggtg	gataataaca	aactcctctg
95581	agctaaagga	gaatgttcta	acccaacgca	aggaagcaaa	gaaacttgaa	aaaagattag
95641	atgaattgct	aactagaata	acgagtttag	agaagaacat	aaatgacctg	atggagctga

FIGURE 4 (cont.'d)

95701	aaaacacagc	acaagaactt	agtgaagcat	acacacatat	caatagctga	atcgatcaag
95761	tggaagaaag	gatatcagag	attgaagatc	aacttgcaga	aacctataa	gccagaagag
95821	actagggggc	aatattcaac	attctttaaag	aaaagaattt	tcaatgctga	atttcatatc
95881	cagccaaact	aagcttcata	agtgaaggag	aaataaaatt	ctttacagac	aagcaaattg
95941	gagacatttt	gtcgtcacca	cgcttgcatt	acaagagctc	ctgaagggag	caataagcat
96001	ggaaaggaaa	aaatgggtgc	agccactgca	aaaacatgcc	aaatggtaaa	gaccatcaac
96061	gctatgaaga	aactgcatca	agtaattgggc	aaaataacca	gctagcatca	taatgatagg
96121	atcaaattta	cacataacat	attaacctta	aatgtaaatg	ggctaaatgc	cccaattaaa
96181	agacacagac	tggcaacatg	gataaagagt	caagacccat	cagtgtgcag	tattcaggag
96241	acccatctca	catgcaaaaa	cacacatagg	cccaaaataa	agggatggag	gaatatttac
96301	caagcaaattg	gaaagcaaaa	aacaaacaaa	caaacaaaca	aacaaacaaa	caggggttgc
96361	aatcatagtc	tctgataaaa	cagactttta	accaacaaag	atcaaaagag	aaaaagaaag
96421	ccattacata	gtggctaaga	agagctaact	atcctaaata	tacatgcacc	caatacagga
96481	gcaccagat	tcataaggca	agttcttaaa	cacctacaag	gagacttaga	ctcccacaca
96541	ataaatgtgg	gagattttta	taccccatag	tcaatatcag	acaggtcaat	gagacagaaa
96601	attaacaagg	atatctagga	attgaactca	gctccagact	aagcagacct	aatagacatc
96661	tatagaactc	tccaccccaa	atcaacagaa	tatacattct	tctcagcacc	acatcgactc
96721	tattctaaaa	ttgaccacat	aattggaagt	aaaacactcc	tcagcaaatg	cagaagaatg
96781	gaaatcataa	caaacagtct	ctcacaccac	agcgcaatta	aattagaatt	cagaattaag
96841	aaactcactc	aaaacctcac	acttacatgg	aaactgaaca	acctgtcctt	gaatgactgc
96901	tggataaata	atgaaatgaa	gaaggataaa	gatgttggtt	gaaaaacata	agaataattg
96961	accagaaact	ctgggcacata	tttaaacgag	tgtgtagagg	aaaattttata	gcagtaattg
97021	cctacaaaag	aacacaggaa	agatctaaaa	tcgacaccct	aacatcacaa	ttaaaagaac
97081	tagagaagca	agagcaaaca	aattcaaaag	ctagcagaaa	acaagagata	actaatatca
97141	gggcagaact	gaaagagata	gagacatgaa	aaacccttaa	aaatcaatta	atcgctctcc
97201	ctctccctct	ccctctccct	ctccgtctcc	ctctccgtct	ccctctcccc	acgggtctccc
97261	tctccctctc	tttccacggg	ctccctctga	tgccgagccg	aagctggact	gtactgctgc
97321	catctcggtc	cactgcaacc	tccttgcttg	attctcctgc	ctcagcctgc	cgagtctctg
97381	cgatgcagg	tgcgcgccgc	cacgcctcgc	tggttttctc	tgcccgccca	gccgccccgt
97441	ccgggaggga	ggtaggaggt	cagccccccg	cccggccagc	cgccccatcc	gggagggtgag
97501	gggtgcctct	gcccggccgc	ccctactggg	aagtgaggag	ccctctgccc	cagccaccac
97561	cccgctctgg	aggtgtaccc	aacagctcat	tgagaagggg	ccatgatgac	aatggcgggt
97621	ttgtggaata	gaaagggggg	aaaggtgggg	aaaagattga	gaaatcggat	ggttgccgtg
97681	tctgtgtaga	agaagtaga	catgggagac	ttttcatttt	gttctgtact	aagaaaaatt
97741	cttctgccgt	gggatcctgt	ggatctgtga	ccttaccccc	aacctgtgct	tctctgaaac
97801	atgtgctgtg	tccactcatg	gttaaatgga	ttaaggggtg	tgcaagatgt	gtcttgttaa
97861	acagatgctt	gaaggcagca	tgctccttaa	gagtcatcac	cactccctaa	tctcaagtac
97921	ccagggacac	aaacactgcg	gaaggcagca	gggtcctctg	cttgggaaaa	ccagagacct
97981	ttgttcactt	gtttatctgc	tgaccctccc	tccattattg	tcctatgacc	ctgccaaatc
98041	cccctctgcg	agaaacaccc	aagaatgatc	aataaaaaaa	taataaaaaa	aaaataaaaa
98101	taaaaataaa	taaaaataaa	aaagaaataa	acacaaataa	aatgttaaaa	ttcccattct
98161	acataaaaatc	atctatagat	gttttttaaa	atacaacatg	attatcaagg	acttaatctg
98221	taccacattc	ttgtagatgt	aaagttaaaa	ttcttgtaac	catcactctc	aacctacccc
98281	tatcttccag	cataaatgag	actttcacat	gttttctctt	gccagatggg	agacactaac
98341	tgtaggcttt	ggaaatgtct	taaaaaaaaa	aaaaaaaaaa	agagagccag	gcatcttcaa
98401	acagagaaaa	gctgtttgaa	cacatttatc	taagtctatc	aaaagctatg	attgttagca
98461	agaggtaacc	ttgtaatgcc	aaggcagaaa	actgccacca	aaccacaaaa	agcttggtca
98521	actgctgaac	ctaaaaattaa	acaatttatc	tctcattaaa	aaaaaaaaat	caattaatcc
98581	aggagctggg	tttttttttaa	agatcaacaa	aatagataga	ccactagcca	gactaataaa
98641	gaggaaagaa	gagaagagtc	aaatagacat	aataaaaaat	gataaaggag	atatcaccac
98701	tgcctccaca	gaaatacaac	ctaccatcag	agaatattat	aaacacctct	atgcaaataa
98761	accagaaaaat	ctagaagaaa	tggataaaat	cctggacaca	tacaccctcc	caagactaaa
98821	ccaggaagaa	gtcaaatccc	tgaataagcc	aataacaaac	tctgaaattg	agggtggaat
98881	taatagccta	ccaacccaaa	aaagtccagg	accagacgga	ttcacagctg	aattctacca
98941	gagggtacaaa	aggagctggg	accatttcctt	ctgaaactat	tccaaacaat	agaaaaagag

FIGURE 4 (cont.'d)

99001	agaatctccc	taactcat	ttt	tacgaggcca	gcatactcct	gataccaaaag	cctggcagag
99061	acacaacaaa	aaaagaaaat	ttcaggccga	aatcccta	aat	gaatattgat	gcaaaaatcc
99121	tcagtaaaat	tctggcaaac	cgaatccagc	agcacatcaa	aaagctt	atc	caccatgatc
99181	aagttggc	tt	atgcaaggct	ggttcaacat	atgcaaatta	atgaacgtaa	
99241	tgcatacat	aaacagaacc	aatgacaaaa	accatgtgat	tatctcaata	gatgcagaaa	
99301	agaccttcga	caaaaattcaa	cagcccttca	cgctaaaaac	tctcaataaa	ctagatattc	
99361	atggaacatg	tctcaaaaca	atcagagcta	tttatgagaa	acccacagca	gccaatatca	
99421	tactgaatgg	gcaaaaactg	gaagcattcc	ctttgaaaac	tggcataaga	caaggatgcc	
99481	ctctctcacc	actcctattc	aacatagtat	tgggagttct	ggccagggca	atcaggcaac	
99541	agaaagaaat	gaaggatatt	caattaggaa	aagaggaagt	caaattgtct	ctgtttgcag	
99601	atgacatgac	tgtatattta	gaaaacccca	tcatctcagc	ccaaaatctc	cttaagctga	
99661	taagcaactt	cagcaaaagtc	ttgggataca	aaatcaatgt	gcaaaaatca	caagcattcc	
99721	tatacaccaa	taacagacaa	accgagagcc	aaatcacgag	tgaactccca	ttcacagttg	
99781	ctgcaaagag	aataaaaatac	ttaggaatcc	aacttacaag	ggatgtgaag	gaccttttca	
99841	aggagaacta	caaatcactg	ctcaattgaca	tcagagagga	cacaaaacaaa	tggaaaaaca	
99901	ttccatgctc	atggatagga	agaatcaata	tcgtgaaaat	ggccataata	tccaaagtaa	
99961	tttatagatt	gaatgctatc	cccataagc	taccactgac	tttcttcaca	gaattggaaa	
100021	aaactacttt	aaatttcata	tagaaccaaa	aaagagcctg	catagccaag	ccaatcttaa	
100081	gcaaaaataa	caaagctgga	ggcatcacac	tacctgactt	taaactatac	tacatggctg	
100141	cagtaaccaa	aacagcatgg	tactagtacc	aaaacagata	tatagacca	tggaaacagaa	
100201	cagaggcctc	agaaataaca	ccacacatct	acaactatct	gatctttgac	aaacctgaca	
100261	aaaacaagca	atggggaaaag	gattctctac	ttataaaatg	gcatttgggaa	aactgggttag	
100321	ccatatgcag	aaagctgaaa	ctagatccct	tccttccact	gtatacaaaa	attaactcaa	
100381	gatgggctaa	agacttaaat	gtaagacct	aaaccataaa	aaccctaaaa	gaaacatag	
100441	gtaataccat	tcaggacata	ggcatgggca	aagacttcat	gactaaaaca	caaaaagcaa	
100501	tggcaacaaa	agccaaaatt	gacaaatggg	atctaattaa	actaaggagc	ttctgcacag	
100561	cgaaagtaac	taccatcaga	gtgaacaggc	aaccaacaga	atggggagaac	atttttgcaa	
100621	tctatccatc	taacaaaagg	ctaatatcca	gaatctacaa	agaacttaaa	caaatttaca	
100681	aaaacaagca	aacaattcca	tcaaaagtg	ggtgaaggat	aagaaaagac	acttctcaaa	
100741	agaagacatt	tatgcagtca	acaagcatag	gaaaaaaagc	tcatcatcac	tggtcattag	
100801	agaagtgc	atcaaaaaca	caatgagata	ccatttcatg	ccagttagaa	tggccatcat	
100861	taaaaagtca	agaaacaaca	gatactagag	agcatgtgga	gaaataggac	cacttttaca	
100921	ctgttgggtg	gagtggaaat	tagttcaacc	attgtggaag	acagtgtggt	attcctcatc	
100981	ttcaccacgg	ggtggaggta	cgnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	
101041	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	
101101	nnagaaacat	agaccctgcc	caacgcata	tctctgaaag	gatggcaagg	tttttttaaa	
101161	ggttttatgg	gtttagggtg	actctaaagg	attttaaccc	ttctaaaatt	atttttgtat	
101221	aaaggtgtaa	gaaagggatc	caacttcact	cttttacaaa	tgggaagcca	gtttttcccg	
101281	gccccttttt	ttaaaaagga	ttccctttcc	cattgggtgt	ttttttcaag	gttgtcaaa	
101341	atcagaaggt	tgtagatgtg	ggttggtaat	ttttaggggt	ttgttttgg	cccattgggtc	
101401	cataggtcgg	ttgtggtacc	agggccatgt	tgttttgggt	actgtaagcc	tcgtagtatg	
101461	gtttgaagtc	aggtagcatg	atgcctccag	ctctgttctt	ttggcttagg	attgtcttgg	
101521	caatgcgggc	tcttttttgg	gttccatatg	aactttaaag	tagtttttcc	caattctgtg	
101581	cagaaagtca	ttggtagttt	gatggggatg	gcattgatct	ataaattacc	ttgggagtat	
101641	ggccattttc	atgatattga	ttcttccat	ccatgagcat	ggaatgttct	tccatttgtt	
101701	tgtgtcctct	tttattttgt	tgagcagtg	ttttagtttc	tccttgaaga	ggctcttcac	
101761	atcccttgta	agttggattc	ctaggatatt	tattctcttt	gaagcaattg	tgaatgggag	
101821	ttcactcatg	atttggctgt	ctgtctgtta	ttggtatata	agaatgcttg	tgatttttgc	
101881	acattgattt	tgtatcctga	gactttgctg	aagttcctta	tcagcttaag	gagattttgg	
101941	gctgagacga	tggggttttc	tagatataaa	atcatgtcat	ctacaaacag	ggacaatttg	
102001	acttcctctt	ttcctaattg	aatacccttt	atttccttct	cctgcctgat	tgccctggcc	
102061	agaacttcca	acactatggt	gaataggagt	ggtagagag	ggcatccctg	tcttgtgcca	
102121	gttttcaaag	ggaatgcttc	cagtttttgc	tccttcagta	tgatattggc	tgtgggtctg	
102181	tcataaatag	ctcttattat	tttgagatac	atcccatcaa	tacctaat	attgagagtt	
102241	ttcagcatga	atggttgttg	aattttgtca	aaggcctttt	ctgcatctat	tgagataatc	

FIGURE 4 (cont.'d)

102301	atgtgttttt	tgtcattggt	tctgtttata	tgctagatta	catttattga	tttgcgtatg
102361	ttgaaccagc	cttccatccc	agggatgaag	cccacttgat	catgggtggat	aagctttctg
102421	atgtactgct	ggattcgggt	tgccagtatt	ttattgagga	ttttcgcatt	gatgttcac
102481	agggatattg	gtctaaaatt	ctctttgttt	gttgtgtgtc	tgccaggcct	tggtatcggg
102541	atgatgctgg	cctcatataa	tgagttaggg	aggattccct	ctttttctat	tgattggaat
102601	agtttcgcca	aactgacatg	atttttaaaa	ttccctatag	ggtcaatgtg	cagatttaaa
102661	gatccctaca	ctcagtagtc	ctgggatagg	gtcgggggat	ccatatgttt	aacaagcagc
102721	ctagagtctc	ccgatagcct	gggcaagctt	taaaaagccc	tgccgacatt	cggatgaaac
102781	aaaggtgcac	agaacctata	tctctgccat	ttattagctg	ggggccttag	gcaaggaagg
102841	tagtcaacct	ccgtattcct	cagttcctca	actgtaaaat	ggggatgatg	actgtggctc
102901	cctcgtgggg	ttgtgacgga	ggaacagggg	acatatgtcc	tgggatcagc	actggcaatt
102961	tggccattct	taccatagca	cctgccatct	tggtgacagc	ctggacacaa	agccttcaca
103021	cctttgaagt	ggccatagag	agcatgagat	atggatgggg	aggaggcatt	ccaactaaag
103081	acccctgctt	tgggccaaaa	acacatgtat	gtctggtgtc	tggagtcctc	tggttatgcc
103141	ttttttaaga	taccggttgt	cctgcaattg	tgctgtgaga	atccactcta	tgcccaaatc
103201	atcatcaaag	cgtttggctc	agctaggctg	ttccccaac	ccaaggaccc	catgaggaaa
103261	ggagtgaggg	ttccaccccc	agcaccagcc	actggagggg	ctgccagag	tcctcagtt
103321	ctcgtaaaact	tacgctttgg	agtaattcag	aacaaagtcc	actccttttt	cactatcaaa
103381	ctggatatca	cggggtaaat	ccttgtggca	tttggcatcg	atgctcaagg	ggaagccagg
103441	gttccactcc	atccatctga	gcatgagaaa	ggagaagaaa	ttgagttaaa	tgccagcctt
103501	tggtctgccc	cctcagctga	gggcccgcga	cactgtcaga	cgatgttaca	cagggagatt
103561	gatgtactca	aaataaagtc	aacacatcat	aggctgacct	tgtgtccagt	aaggttctgg
103621	gacctcttcc	aaagtccagt	cgcaccaact	ttgctgtgcc	ctgagcatca	gagtggaac
103681	cctgagactg	ggcttatagt	ggtacaggtg	tgcaccactg	cataaaaagt	tctgtaggt
103741	gtctagggag	acctcactta	ctagaggtga	cattgaacag	tagaggcctg	ccttgccagt
103801	cactggaggt	agaaggtatt	aaggctgccc	agccacgccc	aacctggaca	tccaccattc
103861	tgccaacttg	atcagtggtg	gccctggact	gcgtgcatgt	cctgcatgtg	gcatttgggg
103921	aaatgggaca	gttcttctgc	cttcacaata	ggacgacacg	gcagcaggtg	gcctgggaga
103981	gggacccagg	cacagatggc	taaaaggctt	ccctctctca	cctgctggcc	cctgcagct
104041	ttagagatta	ttacaatcaa	aacagcttcc	ccaaagacaa	gccacggact	gcattccagta
104101	aacatgctca	gatcctgaca	tccttgaaac	gtatcccgtg	gcattgggca	tttgtgtttt
104161	tgaaaaatgt	ttattttgct	tttttgttta	cttattgagt	aaacttaaat	tgtgaaaatg
104221	tcagaggtgt	ttgaaccaca	gcaactccat	cctgaatagg	ggctgggtaa	aataaggctg
104281	agacctactg	ggcagcattc	ccaggaggtt	aggcattcta	agtcacagga	tgagacagga
104341	cattgatgca	agatacaggg	cagaaagacc	ttgctgataa	aatgggttgt	ggtaaaagaag
104401	ccggccaaaa	cccaacaaaa	ctaagatggt	gatgaaagtg	acctctgttc	atcctacca
104461	cctgattatat	gctaattata	atgcattagc	atgctaaaag	aaactccac	cagtgccatg
104521	acagttttaca	aatgccatag	taatgtcagg	aagttaccct	atatggtcta	aaaaagggag
104581	gaaccttcag	ttcctggaat	tgccaccccc	tctcctggaa	aactcatgaa	taatccactc
104641	attgttttagc	acatgatcac	gaagtgactg	taagtatgct	cagtcgagta	gcccattgcta
104701	ctgccttgcc	tatggagtag	cctttcttta	ttgctttact	ttcctaataa	acttgctttc
104761	actttatgga	ttcaccctga	attctttcct	gtggaggtcc	aagaactctc	tcttggggtc
104821	tggatcagga	cccctttctg	gtaacaaaaa	caaaatgaaa	tcctgttagt	ttcttggggg
104881	agggagaatg	attttgtgtt	tgtttaaaaa	ccagatttta	catttttaggg	ttttagcttt
104941	ttcattttata	ttcctaattc	tccttccttt	taaaattttc	ttttgagagg	aaagtaaaat
105001	atcgagattt	tgggtcctta	aaaagtccctg	agttatttta	atatgatctt	gtgctttgac
105061	tttcccaaaa	tcccaactgt	cacagtgtcc	tcttggccca	gtagcctctc	cttaggatca
105121	caagaagtga	acagggaccg	ggtatgatcc	ttctgacagc	aaaggcattt	tgtcaagtgt
105181	tttctgttat	gtggcacctt	acattttctca	ctggtgggtt	atttagaata	ttctacgtcc
105241	tcagatttta	agaaaacctt	ccatttttgc	tgtttgtatt	aatgccaatg	atagatatatt
105301	aacaaggata	aaaatgtgga	caagtctaca	cattttttgt	ttgtttgttt	tggaaaatga
105361	ctcaaggcat	ctccaatata	tatctaaaat	tgagccattc	agtagcctca	ctggtagtaa
105421	tgatcaatta	attagctatc	attagtcata	tcaatttaaa	tattactgat	gattttctct
105481	ttgcctggac	agttcaaggg	ctctagttaa	ttttaaaagc	tcagtggagc	tagatgtttt
105541	tcagtatgta	aacaatgagc	catgcaaggg	catctgtgcc	agcaaatggc	attaatgttt

FIGURE 4 (cont.'d)

105601	tcttaagtga	atagtccact	tggacggatg	tggaatactt	cttcagcacc	aaaaagacct
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105721	ccacttgtgt	ggttagaaga	tgatggcctc	acagcacatg	gagacaggac	agcttgcttg
105781	ctagttcact	actgcccccc	tgaaccacaa	tgtttatgtc	ccttccactg	caggtcactg
105841	ctgcttaaga	gaccctgaca	ggctgacctg	cacaggagcc	gaaggcctgc	atggccacag
105901	acattaactg	gtggagatgg	aatcccactc	cattgaggaa	gaccaagtgg	aacacccagg
105961	cagaaggaac	aaagaagtag	aaaggcattt	aatttatttg	aaaaaaaaatg	agagagagag
106021	agaaagagag	agagagaaaag	caagagagac	agagagacag	agagagagag	agagagaaaag
106081	agagagagag	aaagcaagag	agacagagag	acagagagag	agagagagag	agagagacag
106141	acagacagag	agatcctaag	gggatgcagt	tagtataatt	ggagtgtaaa	aagactttct
106201	gtaaccacaa	acatgatatt	tgaatgaaga	cttcaataga	gaaacagaca	aagagaataa
106261	tactgtgag	atgtttgggc	tcttgtatta	aaagaaaagc	tttagacaaa	ttaaatntag
106321	cagttaatt	gagcaaagaa	caattcaaga	atagggcagc	ccctaaacca	gagcaggctc
106381	cgagtgactt	tgatgctgtc	tcatagttgg	ataggattta	tgggcagaaa	aaggaacgtg
106441	atgtacagaa	aatggaagtg	aggtagacaga	acagccagat	tgggtgatgg	tcagcatttg
106501	ccttacttga	gcccagtttg	aacagctggc	cactgtgagt	ggctgaagtc	tggccgctgt
106561	gattggctga	gacttggtta	cttgctatga	gagtaggtga	cagtctgttt	acacatccag
106621	ttaggttaca	gttactatg	tacagagaaa	cttttaggct	gaatttaaaa	tatgtaagga
106681	gaaaagttta	agctaaactc	attaacacct	agaagagaga	aggtgttcat	tcgacaacta
106741	attatggagc	acctactatg	tgccaggaag	tgctttgtgc	aaaatagaag	aacatgtaac
106801	ccaaatacag	ggtgaaacta	caaagaaatg	gaagccataa	atgaaactat	gagagacata
106861	aaccacaaaat	aaaatttctaa	gccctggaac	tgactgatgg	accctccctc	tggccaaggg
106921	cattccaaag	ttaacctgaa	aaattagttc	aggccatgat	aggaatgggt	ggctaaacgt
106981	gcctcattgt	actctcctcc	tcttgggaatt	caggcacac	tgatcagcat	tcacatcaac
107041	acagagatgt	taagccatt	agaacagact	ctttaagatt	gataagaaac	atttacaatt
107101	gattctacct	gaagcctgct	acctggaggc	ttcatctgca	tgataaaaaa	ctttgtttcc
107161	acaaccctct	atcttaacct	agacattcca	agtttttaga	taataattct	tttaagcagt
107221	tgccaatcag	aaactctttg	aatctgccta	tgacctggaa	gctcccctcc	cccaagttgt
107281	ccctcccttc	caaaaccaaa	ccactgtcca	tcttacatgt	attgatgtat	gtcttatgtc
107341	tccctaaaaat	gcacaaaagc	aagctgtacc	ccaaccacct	tgggtgcatg	ttctcaggat
107401	ctcctggggc	tgcacatcat	gccactggtc	actcatattt	ggctcagaat	aagtcttttc
107461	aaatatttca	cagagtgtga	ctcttttcat	taacagacat	gaaagccaga	tacagatgta
107521	atatgcaagg	agtaaaagct	ccaaaaggag	agagagtaat	atatggagaa	gtgaaaaaaa
107581	tcaaagaaat	aaaagaagaa	ctcctttaag	ctgaaaaata	cttcaatatc	ttaagtctgt
107641	gaaaggaaat	taaatttttg	gaccccaaac	tcatttagcc	aaagggaaat	gtcaagctgg
107701	gaactgtgtc	atgcaaacct	gcctcccctc	tttggttcc	aaataagatg	gctatgatga
107761	aaagctacat	gtctccacca	tattttgctc	acaaggaaat	tcctagtga	ccgttaaaat
107821	ttcaccatgg	caatgcaaat	tgatagctta	tctttacaag	tgagtcacc	caccagatac
107881	aaatgcata	ctgattgttc	ccctgcctta	ctttatctat	gttctcttat	gtaaaatgca
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108061	aaaattgtgt	acttctcaat	atcccgcctc	tttcccttta	aatttggagc	cctcaaaatc
108121	accttcagag	aaaggcatag	tgtgtctctc	cgggcattgc	tccttaactt	tcgcaataaa
108181	atttcctaaa	atgattgaga	cttgtctcgt	catttttctc	aatgacaagt	cctaggtggg
108241	ggggaaaaaa	aaaaaggaaa	aagatacacc	taggtatata	ctgaatacat	tttaaaatgt
108301	ccaagagaca	ggagaaacag	agacagagag	aaggaaagag	atgcagagag	tgaacgagag
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108481	atcgatcatc	aagcctctca	tattgtcatc	aatgagggca	ggggaatttg	tttgagggga
108541	tgggtagggg	gacaggacga	caagcacaga	ctcagatctt	acactacaca	tggaccttct
108601	gaggaaatta	attgaacaag	tgcagtga	caaaaattaa	attagaatga	atcaataaac
108661	tcctaaatac	agcaaaagaat	atgcattata	aaactacagc	aaatataata	gtaaacaaaag
108721	aaacaaaaat	atgagagggg	tgttcatcac	tactaccact	acttgttttg	ggaattccag
108781	acatggaata	agaaaagaat	atcagtgggtg	tagataatgg	aaagtaagag	acaaaattat
108841	taacatttag	ataatatgag	cacattaact	aaccagactc	actaacaaca	aacaaaacaa

FIGURE 4 (cont.'d)

108901	aacaagtgat	tagaaccaat	gaaagaattc	agtaagggac	caacacacag	taaatgtaag
108961	aaacaagtaa	tttacattta	tcccagcaat	atTTTTgcaa	acagaaaaat	atcctactca
109021	gaacagcaaa	tgctaaatgt	agagtagcta	gaaaggtgaa	ggacctgcat	gaagaaaact
109081	agaaattcta	tggaagtacg	ttgacacagg	atctagagag	gtggaaagac	acgctgtggt
109141	cctggatgga	aagactgaat	ctcagtaaaa	tgccaacaca	taacacagtt	atgtgaagtt
109201	caaagtaatt	ctcattatga	aaaacttaag	aaagaacagt	gagatatgta	acagacatta
109261	acattttatta	gaaagttagt	ataacccaaa	gctgggtgctg	gggtctcgag	tagaaaaata
109321	ggctaacaca	taaagtgcgg	aaacagaccc	agagactatg	tatacataat	acaaaactcg
109381	ccaacactta	tccagtgcct	tctatgtgcc	tactactatt	ctctgtgttt	tcatggttta
109441	acctattatc	tcaaaccctt	aaaaggaagg	cactgttatt	tccctcattt	tacagatgag
109501	ggaagtggag	cacagacaga	ttaaacaact	ttcacaggac	tggagaaagt	gccagtaagt
109561	gtgagttgag	cccagacact	cgaatccaga	gctcatgact	gccatcctat	gccagcttgt
109621	accgtgggta	tcatcatccc	tgctacccaa	gtcaggagga	aagacatcat	ccctgtctac
109681	caagtccagg	acgaatgcta	ccgggagagt	tccaccagg	tatgtatgaa	aacacgtggc
109741	aggagtgggg	catgggtggcg	cacgcctgta	gccccagcta	cttgggaggc	tgacgtggga
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109861	ccagcctagg	aaacagagca	agactctgtc	tcaaaaaaaa	aaaaaaaggt	agatgaatga
109921	aagctctaaa	ctcaaagggg	aaattataaa	agtattagac	aaaattacgg	gggaagtatt
109981	tgtgtaacac	tgggatggaa	agggttttct	taagcaaagg	aggaaaccca	aaagttatag
110041	atgtaaacia	tacatagtta	ataaaaataa	gaactaaaat	ctcctgtggc	aaaagcaaca
110101	gaagacaaat	aataaatgct	atacatatgt	aacaaacgga	tactatcctg	atatagaaag
110161	agtcctctta	gattaataat	tgaaagaaca	atagggaaaa	aaagcttata	aataggcaat
110221	gcagtgatgc	ttattagtgg	tcaggggagt	gcagactaaa	acaaccacaa	ggtcttaggg
110281	atTTTTtagac	tgtaaaacia	ggtcatcggg	tactgacaaa	tgtatggatg	ggcaaaagta
110341	tcttttcata	cacagctggg	aggaccgcaa	attacgatac	aattttgtga	aaggattttt
110401	gtcgggtattt	cttaagatga	aaaaatgctg	atTTgttcca	gcaatctgag	ttctggaaat
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110521	agcattgttt	gtactgcaat	acccaaaaca	aacaaacaca	tctacaaatg	ggaaatgaac
110581	tgaatagggg	tgaaatgggg	aatggctaag	taaattatgg	tgcatctcca	gaaggcaaga
110641	aatagtagca	gtttaagaag	gggaaaatat	atgagatact	atTTcacacg	caagaatgaa
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110761	ctgggggtgtc	tactggcaga	atgcctttgg	aaaacaatca	gcaatatcta	gaaagcttaa
110821	aaacacgtgg	tctgcaaccc	tgcaactcta	cttcttgtaa	tattccctac	agtaactctt
110881	ccatgagagc	acagagagat	gtgtgagaaa	gctcactgtc	gcttggtttg	caacagctag
110941	aaattaaaga	cagcccgcct	gcccactcag	aggagagcgg	acgagcgcct	gggttatcca
111001	gaattctgata	tgccatgaag	aagtttaactg	catgaaccac	atctatctgt	gtcaaccaga
111061	tctcttctca	tacttagtga	tgagtgaaaa	gtgcagggtca	cataatgatt	agattaaatt
111121	atatcgatta	acaaacacct	acactttgcc	atTTactgct	gtgtgtgagt	gtgcatgtaa
111181	cacagacaga	tgtggtcaca	gtgggagagc	acaagctgtg	ggctatgacc	tgggtctgct
111241	tctccttctc	cctgcgtggc	tgagtgaagta	aggagggcct	gcaagaagcg	ccagctttct
111301	gacatagtgt	ggactattct	tagtcattgc	tttacttcca	aactctgatc	tggagacctg
111361	agaaatcttc	tgagaaagag	gaactccaag	attgtgcaga	cagtgcagg	ttcagtgttt
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111481	aatgatttaa	atctaagaaa	gggggaaacg	atctcaccag	aagccccctg	ctgcaagatt
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111601	atagcaaagt	ctaattagag	ccccactaat	tcatactaaa	gtgttagtgg	cttataacaa
111661	attaaatgaa	ttttatgggc	atTTtatctt	aaccagatt	cacaggccag	aagtgtctctg
111721	agaactggct	gcaggggctt	tgccataggt	gtctgaaaca	gggagggaag	ccaaggaaga
111781	agcatagaaa	caacagccct	ttgggatggg	aggcagagct	caagcacaac	gtgtgcactg
111841	caccaggtat	ggaagtctgg	aaacacatca	tatggtgcct	gagctgagag	gcttgtgcac
111901	aaatgactcta	aaacaaatca	cacatttata	aacccttaac	atgaccacca	gcacagcagg
111961	ttactctccc	acacttgatg	ctaattggcat	gtaagtttta	tttttgattt	ttcaattggg
112021	aaatagaata	tataaaatat	gtatggatat	gtatatatgc	acacacacac	tcacacatgc
112081	agaaaaatgt	acaaaacacc	tgtacgaaca	ccatccaggt	aaaaaatcag	aacattgtcc
112141	gtaccctcac	ccccacctt	cccaatcaac	cctccttcca	tccccggtaa	tgaccatcct

FIGURE 4 (cont.'d)

1007441 "020702"

112201	cggttttatg	ataatcat	tttgttatt	gtttaaggtt	ccgctatgac	acacctccct
112261	aaacaatttc	attccaaagt	tatgaattgg	ccagacacgc	tcctgggttc	tttcttcaa
112321	cactgcgtca	gtgaggtttg	tccatgttag	cagcagtttg	ttgattttcc	ttgcagtgt
112381	gaattttcct	tgacaatttg	tctgttctac	tgttgttg	acattgagtt	gttgccattt
112441	tttggccatc	atgagtaatg	ctgttggtg	tatccaggcg	cacatgcaca	caaatttgga
112501	tcccactata	ggatttctgg	gtcatagatt	ataatgtagc	ttcagtttta	tgacatattg
112561	ctaaattggt	ttccacggag	gtcttacc	cttgctctcc	tgccgggtgg	atatgagtg
112621	tcccagccct	ctggatcttc	tttaatactc	agggtgtgtc	agttgttgaa	gtgttgccca
112681	tctgggggca	tatgtgtgg	agtagcagca	gttcactgtg	atcttctgat	ttccccgagt
112741	cctaataga	ttgaacacct	tttgtatact	tgctgcttat	attttgtaca	gtaagtactc
112801	aaacttcttg	cccattttct	agtgaatgac	actcccttc	ttaaagattt	gtaggtcctt
112861	cacatactag	gaataattct	cgtaaatcac	tccatgactt	gccttcactc	tctcctgggtg
112921	tctttcaatg	aacagagtgt	ccttatcttg	agggaggcaa	acttacc	cttttctttt
112981	gtgtttaata	tgttctgagt	cttgtttgaa	aaatcctttt	agcttgagac	ctggaagaat
113041	aatcacctgt	agtctaaatg	tcttacagtt	ttgcctttaa	cttttaagtc	taatcaaccc
113101	caagctgagt	ctcctgaatg	gcaagaggtg	gagctctgatt	tcttctcctt	ctccttcagc
113161	cctccgtgct	ggctggcccc	tgctctcgag	atgcatgtcc	agtggcccag	tgccacccat
113221	cagccgagcc	ctccgtagca	gacccagtac	ccacatacgt	gtggctgttt	gtgtttctt
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113401	cataggggaa	gaaggagcta	caggggttag	ggatgctgtt	gcaacttaga	aaaattaaga
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113521	tcgtgaaaac	tggttaaaaga	ttttttttt	ttttttttt	gagacggagt	ctcgctctgt
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114181	aaacaattaa	acatgaattt	ttatgaaaaa	gttcataaaa	ttcataattc	atacagaaaa
114241	taggtatttt	tctggctcta	tattattttc	cttcttttac	ttttttgagt	taaaaaaaca
114301	accagatat	actacatatt	ccttgtaaga	agttcaacta	tgaggggata	tgtagaaaag
114361	tatcacataa	ttggctccca	aaggccctc	cacagcccag	gtaacttcac	tgctcatgta
114421	gaatgattcc	ttccactttc	ttcccttgga	aggaggcaca	gactcaaatg	tttccagggg
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115261	ctcaagtgat	ctgcccgtct	caacctccca	aagtgttagg	attacagggtg	tgagcctccg
115321	cgcttgcat	tcattccttt	ttgatgccaa	aaaatatccc	attgtatgga	taaactatat
115381	tttgtttatt	cattcctcag	ttaatggaat	ttaggttgtt	tctacttttt	gactattgtg
115441	aacaatgggtg	ctataaaatat	gtgtgtacaa	gttttgtata	gacatgtggt	ttcaatattc

FIGURE 4 (cont.'d)

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115561	aggaaccact	aaactgtttt	ctgaagtggc	tgcacatctt	tacattccgg	tagcagcatc
115621	agggttccag	tttctccaca	tccttggcag	cacttggtac	tatctgtctt	ttttattcta
115681	accattttag	tggttagaat	tgtatcttgt	ggttttgatt	tgaaatttcc	tgatgattaa
115741	taatgttgag	catattttca	cgtgcttatt	ggagattcac	aaattttctc	tggaagaacta
115801	tttaattaaa	tcctttgcta	atttttaaac	ggggtttttt	gtacagaata	ttttaaaatt
115861	gagttgtcag	agttctttat	atattctgga	tacaagtccc	ttatcagaca	tatgatttag
115921	atattttctc	cattctgtgg	attgtctttt	cactttattg	atgatgtcct	ttgaagcata
115981	gatcttttac	attttaatga	catctaactt	gtctactttc	ttttgctgcc	tgtgctcttg
116041	gtgccatata	taagagactt	tgccgaaccc	aagattatga	agacttactt	gtatgttttc
116101	ttccaagagt	gttatgttgt	tagcccttac	ttttagatct	atcatccatt	ttgaattaat
116161	ttttaaattt	atctagcagc	gttattgaaa	tataatgcac	atactgtaaa	atztatccat
116221	ttaaagtgtt	caattcaagg	atgttttagta	tttaattttta	cacaatggac	aaccatcagt
116281	tttagaacat	tttcatcccc	ggcaaaagga	acactgtatc	ctttagctgt	cactcccatg
116341	accacttctc	cattccctgc	ccctaggcaa	ccagtaatct	actttatata	tgtacagatt
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116461	tttctttcac	ttagcataat	gtttttgaga	ttcatccatg	ttgtaacaag	tgtcagtatt
116521	tcattcttct	ttcatggtea	aattatatag	atatactata	ttttatccat	tcattccatta
116581	atggacgttt	gggttggtga	cactttttga	tagttacagg	tcattgctgt	ataatcatgc
116641	atgtacaagt	ttttgtgtgg	gcataatgtt	ccatttctgt	tgggaaatat	cttaagagt
116701	gaaatgctgt	catattgtaa	ctctctgttg	aacagtcagg	agctagcaga	ctgtttccca
116761	agcagctgtg	ccattttaca	ttcccaccag	cagtgtatga	gggttctgat	ttctccacat
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116881	atctcattgt	gggtgttgatt	tgcatttctt	agatgactaa	tggttctctg	gagaaatatc
116941	tattcagatc	ctcactcatt	tttttccatt	tttaattgga	ctatttgtct	ttattgagtt
117001	gtaagagttc	tttataaaatt	atggatggaa	ggcccttata	agatatacaa	tttgtaaata
117061	tttcttccat	tctgtggttc	atcttttccac	tttcttgatg	gtgtcctttg	aaacataaag
117121	gtttgtaaat	ttgatgacat	cactttatca	ctttatctat	ttttcttttg	ttgtctgatc
117181	ttttgggtgc	atatcaagag	tcctttgtca	aatccaaagt	catgaagggt	catcctgtg
117241	ttttcttaaa	agagttttat	agtttttagct	cttacattta	ggtaggtatt	tgactcattt
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FIGURE 4 (cont.'d)

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FIGURE 4 (cont.'d)

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FIGURE 4 (cont.'d)

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FIGURE 4 (cont.'d)

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FIGURE 4 (cont.'d)

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FIGURE 4 (cont.'d)

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FIGURE 4 (cont.'d)

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140521	acagcgaggg	tatgggctcc	tggaataggaa	tcgagcccat	ggagagcttg	gaatccagaa
140581	aaagagtagt	ttttacttac	tttaggctct	gcacacctaa	aacacaaatt	ttatccaaga
140641	gtaatcagtt	gaaacatgaa	cttgccgggt	gtattttgtcc	attatgagca	atttcacaag
140701	gtttgatcaa	ataataaact	aaatggtgag	aaggcagctt	ggtaaagtct	aaatcttttt
140761	ggtccagttta	ggagctgggg	tggggtggaa	gggaactgat	attccctgcy	cacctgcagt
140821	atgtctggga	ctattaccag	tcatttacgg	agcgcttcc	ctgtgccagg	tactggatta
140881	ggcacttcat	taaaggctca	gtgagaactg	cgacctgccc	atgctcatgg	aaaagagtgc
140941	tggggctgga	attcaggtcc	agatcagcat	taggaactag	cttccaaatg	ctgagggctc
141001	cctcgcgctc	tcacacctag	cgtggaagt	ttccctgggt	tacattctgc	tgggagggag
141061	tgcagcccc	ccatttagga	aaagcctctc	ctggcctggg	ttctgttcc	tccttttaat
141121	ttcctctggg	gactgtcctg	agaatgtaag	ctgcccagg	gccgtctgag	ccaccagatg
141181	ggcctgggct	cacccatgac	tcattggacca	gactgaagcc	aacctccat	tttcagctgg
141241	ggaaaactgag	gcccagacag	acggtagagt	gagctggtgg	tcattgtctg	acagaactca
141301	ggcctctgga	cccgtgacg	tgcaccttc	cccacggctc	acagctggct	gctccgaggt
141361	ggcctcagag	ttctgtgagc	atgactcatc	tgccctctcc	tcctgtgcy	acctgcagaa
141421	ggagcctaag	gaagaggtgg	cacaagaaac	gcggccag	gaagggggct	ccggagcctc
141481	ggagcccaga	tcttgaagt	gaggggaaac	cttgggcctt	ctcctcccag	ggaagacgcc
141541	ttgcaggcgg	cacgcgggaa	gtctccgttt	ccgacagggg	tcgcgccgc	cgcgaggggt
141601	cctggacgt	tgcccaccag	ggtaaccac	ggccactggg	agcccagggc	acgccccacc
141661	gcagttctgc	cctccctgac	agggctcctg	acacccccag	tcctgtccgg	ccgccccga
141721	cgggcccctg	gcgccccgc	ccaggcctct	gccgtccaaa	ccgggtcccg	gacgcacctc
141781	agcccgcgt	ccacccgtgc	cccgcgcgc	ctcaccgcgc	cacgctcgaa	gtcgtttag
141841	aagggcttgt	ccagcaggtg	cttctcgctg	cagcccgcgc	agcccacgag	gctgaggtag

FIGURE 4 (cont.'d)

141901	atgtagtcgt	cagtgtcttc	accacggggg	gaagtacggg	ccnnnnnnnn	nnnnnnnnnn
141961	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
142021	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
142081	tccttccgcc	ccgtgggtgaa	gacaagtggg	cgctctgcc	tggccatccc	atctgggagg
142141	tgaggagtgc	ctctgcccgg	ccaccccgctc	tgggaagtga	ggagcgtgtc	taccagcca
142201	ccacgtctgg	gaggtgagga	gcgcttctgc	ctggccgccc	catctgggaa	gtgaggagcg
142261	cctctatctg	gccacccctt	ctgggaagtg	aggagtgcct	ctgcccggcc	gccaccccg
142321	ctcggaggcg	aggagcacct	ctgcccggcc	accaccccat	ctgagaggca	aggaccacct
142381	ctgcctggcc	gccatcctgt	ctgggaggcg	aggagcacct	ctgcccagcc	gccgcccac
142441	ctaggaggtg	aggagcgcct	ctggccagcc	gccccacctg	ggaggcgagg	agcgctctg
142501	cctggcgcc	ccatctggga	ggtgaggagc	gcctctgcc	agccaccacc	ccatctggga
142561	agtgaggagc	gtctctgcc	ggccgccccg	tctgggaagt	gtaccaaca	gctccgaaga
142621	gacagcgacc	attgagaacg	ggccatgatg	acgatggcgg	ttttgtcaaa	aagaaaagg
142681	ggaaatgtgg	ggaaaagaaa	gagagatcag	attgttactg	tgtctgtgta	gaaagaaggt
142741	gacataggag	acaccatttt	gttctgtact	aagaaaaatt	cttctgcctt	gggatgctgt
142801	taatgtacaa	ccttaccctc	aaccccgctg	tcgctgaaac	atgtgctgtg	tcaactcagg
142861	gttaaatgga	ttaagggtgg	tgcaagtgtg	gctttgttaa	acagatgctt	gaaggcagca
142921	cgctcattaa	gagtcatcac	cactccctaa	tctcaagtac	ccaggggacac	aaacactgct
142981	gaaggctgca	gggacctctg	cctaggaaaa	ccagagacct	ttgttcacct	gtttatctgc
143041	tgaccttctc	tccactatta	tactatgact	ctgccacatc	cccctctctg	agaaacacc
143101	aagaatgatc	aataaatact	aaaaaaacaa	attaattaat	taaataaatt	tcatatggaa
143161	ccaaaaaaga	gcctgcattg	ccaagtcaat	cttaagccaa	aggaacaaag	ctggaggcat
143221	cacactacct	gacttcaaac	tatactacaa	ggctacagta	acaaaaacag	cacggtactg
143281	gtacaaaaac	agaggtatag	accaatggaa	cagaacagag	ccttcagtaa	taatgccaca
143341	tatgtacaac	tatctgatct	tgacaaaacc	tgacaaaaac	aagaaatggg	gaaaggattc
143401	cctatttcat	aaatggtggt	gggaaaactg	gctagccaat	aaatggtgta	gggaaaactg
143461	gctagccata	tgtagaaagc	tgaactgga	tcccttcctt	acatcttata	caaaaattaa
143521	ttcaagatgg	attaaagact	tacatgttag	acctaaaacc	ataaaaacc	tagaagaaaa
143581	cctaggcaat	accattcagg	acataggcat	gggcaaggac	ttcatgccta	aaacaccaa
143641	agcaatggca	atgaaagcca	aaattgacaa	atgggatcta	attaaactaa	agagcttctg
143701	cacagcaaaa	gaaactacca	tcagagtga	caggcaaccc	acagaatggg	agaaaatttt
143761	tgcaatctac	tcatctgaca	aagggtcaat	atccagactc	tacaatgaac	tcaaacaaat
143821	ttacaagaaa	aaaacaaaca	accccatcaa	aatgtggggc	aaggaaaaga	acagacactt
143881	ctcaaaagaa	ggcattttatg	cagccaaaag	acacatgaaa	aatgctcat	catcactggc
143941	catcagagaa	atgcaaatca	aaaccacaat	gagataccat	ctcacaccag	ttagaatggg
144001	gatcggttaa	aagtcaggaa	acaacagggtg	ctggagagga	tatggagaaa	taggaatact
144061	tttacactgt	tggtgggact	gtaaactagt	tcaaccattg	tggaaagtcag	tgtggcgatt
144121	cctcagggat	ctagaactag	aaataaccatt	tgaccacagca	atcccattac	tgggtatata
144181	cccaaagtat	tataaatcat	gctgctataa	agacacatgc	acacatatgt	ttattgtggc
144241	actattcaca	agagcaaaga	cttggaaacca	acccaaatgt	ccaacaatga	tagactggat
144301	taagaaaatg	tggcacttat	acaccatgga	ataccaagca	gccataaaaa	atgatgagtt
144361	catgtccttt	gtagggacat	ggatgaagct	agaaaccatc	attctcagca	aactattgca
144421	aggacaaaaa	accaaact	gcatgttctc	actcatagg	gggaattgaa	caatgagaac
144481	acatggacac	aggaaggga	acatcacaca	ctggagcctg	ctgtgggggtg	gggggtggg
144541	ggagggtatg	cattaggaga	tataccta	gctaaatgac	gagttaatgg	gtgcagcaca
144601	ccaacatggc	acatgtatac	atatgttaact	aacctgcatg	ttgtgcacat	gtaccctaaa
144661	acctaagta	taataataaa	aaaataagct	tataaaatgc	ttttaatgct	atataacttt
144721	ataactctga	aagaataata	gatttgtatt	atgctgtcag	tgagtaggtc	tattaagtga
144781	taacattaaa	cacaaatacc	accattttata	aagtatgatt	ttgatatcat	cggttgtgta
144841	ttttcacc	aaactctgta	gatagtaact	ttgttttctc	atttgaccat	gctcaactct
144901	ttatgaccat	gctcttctct	caaatgatc	gtaggttcat	ccaagtatgt	ttgtacccta
144961	aaatcaatga	aacacagtca	caactatgtc	tgtctaggaa	taaagccagc	taatttagatt
145021	cttattctaa	ggaacaagaa	gagggcagggt	aagaatttga	ttatggcaga	attctgacca
145081	taatcaataa	ctgttttcta	ttttttctcc	atgttgtcgg	gtggttcata	cctgactttc
145141	atcatttcca	atgattcctg	ttgttttgtg	ttataaattt	caaaatcatc	atgaaaagtt

FIGURE 4 (cont.'d)

145201	tactgaatg	aaaacctgaa	aattgggaaa	taaacatttt	tctgcaaaaa	aaaaaaaaaca
145261	atgaacactg	acttctccta	tttctcaaag	tcatctcaaa	gccatatgag	gattaccaca
145321	aacttgcagg	tgagaaaatt	ctttgcaatg	taagaagtgc	catgcaaatt	agttgatgct
145381	attataatta	gtctcaggga	tcaaaaatgc	ttgaacccta	aatctaacac	ttcaaaaggaa
145441	agcattattt	ttcatttcatt	ttacaagtta	cacctccctt	cttccccaca	tctttgttta
145501	gaatctggac	cctgaagtta	gaggaccaag	attcaaattcc	cagcctcatc	agtactagct
145561	atgtgatatt	gggaatgtta	cttgatccct	gcttatctta	ctttctgcat	ttattaaatg
145621	gggatgagaa	taatatctac	ccaaataagg	tgcccaatgc	agtgcccaac	agcatgaagc
145681	ccaataaagg	ttagttaaca	tcacatccat	aattgacacc	tttaggtatt	agattttcat
145741	catcccagaa	catttttcctt	ctttaagcct	ttttctttct	aagtggcact	ttcttggata
145801	ctgattgcac	tcctcacaaa	cttgaaacgt	tcaaacacac	aagatgccat	ttaggagaca
145861	ttggaacttg	gggttccttc	tctgtaaaac	tgagtaatga	cagtcaacctc	ccagggctgt
145921	tgtaagaatg	aatgagctag	agtatgtaaa	atatcttagc	acagagtgtc	taagaaatta
145981	ttagttccag	ccaagcgtgg	tggtcacgc	ctgtaatccc	agcacttagg	gaggccaagg
146041	caggcggctc	atctggggctc	aggagttcaa	gaccacctgg	tcaacatggg	gaaaccccg
146101	ctctactaaa	aatacaaaaa	ttagccaggc	gtgggtggcat	gtgcatgtaa	tcccagctac
146161	tcaggaggct	gagacaggag	aatcacttga	accaggagg	tggaggttgc	agtgagccga
146221	gatcgtgcca	ttgcactcca	gcctgggcaa	caagagtga	actctgtctc	aaaaaaaaaaa
146281	aaaaaaaaaaa	gaagaagaag	aagaaagaag	gaaagaaaga	gagagagaga	aagaaagaaa
146341	gaaagaaaga	aagaaagaaa	gaaagaaaga	aaaagaaaga	aagaaagaaa	agaaagaagg
146401	aaagagacag	aaagaaagaa	gggaagaaag	aaagaaagaa	agaaagaaag	aaagaaagaa
146461	agaaagaaag	aaagaaagaa	gggaagaaag	aaagaaagaa	agaaaaaaag	aaagaaagaa
146521	agaaaaagaa	agaaagagag	aaagagaaag	aaagaaagaa	agaaaggaga	gacagaacga
146581	aggaaagaag	gaaggaatta	tttccctttt	tcccaccac	gcctcaccac	aaacctgtgt
146641	gtggggataa	catgtaaaag	tgaacaaaac	tgagaagatc	acatcgcata	tgcaactcagc
146701	ctctagtggg	agacacaggc	aataaacagg	aaaagttaaa	aacagtacta	ggtagtgggtg
146761	agtgcatta	gcctcccgc	gcataaagg	aggagaataa	ccagtggctc	tttcatgcag
146821	agaatcagg	tagacctctg	gggagagacc	cgcactcaga	ctgggatgga	attatttatt
146881	ttatgcgtgt	tcagtttaga	gtagaggtgc	tctgtcgtga	ttatctaata	ttgggaggaa
146941	caatgtcaga	cgggtttcaa	gatgagtatg	agaattgggtc	ttccttctga	aaaaacaaga
147001	attgagttca	cactaatcac	aaatacatga	agcctatttg	agtcttgtgt	gtgtcatgga
147061	ttgaagtgt	tctttccact	tagtcaagaa	gttccaatga	gaagaatgct	ccttaacttc
147121	ctaagtgcaa	cagagttagt	gaactgagcc	atggatggta	aatctactta	agaaagcaca
147181	tgccatggaa	agatagcatt	ggctgccctg	cctacttctg	atggcacagc	cttgaggaa
147241	gggaaagaag	ccaagaggca	aaagcctggt	cttgttctga	aaggcacaag	gaggtggaag
147301	attaggggaa	actcacccaa	aaatgactca	gctctgaact	cagactcaag	aagccacaat
147361	aagcaacatg	aatggaactg	gagggaaata	aaccaggcgt	agaaacacaa	atgttgcata
147421	ttcttactca	tgtgggaact	aaaaacatgc	atttcaagga	gaatagaatg	atggttatca
147481	gagactggga	acagttagtg	gtgggggtgt	taagagaggt	tgcttaatgg	gtacaaacat
147541	atagtttagat	agaagggtata	agttctaata	tttgacagca	gagtaggaga	actatagtta
147601	acagtaatat	attgtatact	ccaaaatagc	tagacaggaa	gatttgaaat	gttcccaaca
147661	catagaaatg	acaaaagcct	gaggtaatgg	ataccctaaa	tatcctgact	tgatcattac
147721	acagtctatg	cgtgtaacga	aataccatat	gtaccccata	aatatgtaca	aatattatgt
147781	atcaataaaa	attttttaaaa	agaagctgca	atcaacattt	catcattatc	ttttcagcag
147841	catccttaca	aagttacaga	gacactctta	gatgtatccc	tcttctctg	aatcttctctg
147901	ggatagaaca	aatgaaaact	aaacaaggag	tgggctggga	ggagctgtca	acatccatcc
147961	taaggaaaag	tctgttaggg	ctatgagctt	cctctgtcct	agagtagagc	tgggaaaata
148021	gagtcttgac	aattgatttc	ttattctttc	tttctctaaa	tccccaatga	atatgttttt
148081	cttttttagtg	ctcagtggta	gacagggtct	aattctgttt	agttatgcaa	acaggccaga
148141	agaaactgaa	ataggctata	aatgtttgaa	gctggccaaa	agaagatgta	gtcacacaag
148201	ataccctctg	gaggaaagtg	actgtcacga	aagtcacttt	cctgaccagc	aaaaggacca
148261	gcactatttt	gtcctgtgta	agaagtacat	ttgtcctgct	gctgtcatgg	ggacagtggc
148321	tccagggtct	cctgtggaca	tgccacaagt	tccactccat	gagtcaggag	atcatgcggt
148381	cagctggggg	gaacttaggg	ttgctctctt	gagcttagcc	ttatgctgcg	tgtctgcttt
148441	gccaacccaca	aaaacgatag	tttcatagca	agttgcaggc	tccctggaaa	cttaacctac

FIGURE 4 (cont.'d)

148501	ctactaggat	acattttacag	ctgcttttct	cctggcatca	ggctggagat	caagaaatac
148561	ataaaaacata	gtccctgccc	tcagtttagct	cagaatatgg	tgggggaatg	gagacagaag
148621	caaaatactgg	tgggacaagt	gacgatgggc	caaaatatgg	gcttaaacia	aggttggtggg
148681	agctcagaaa	aggagcaact	cactctgcct	gaaagagtca	tggagggctc	cacggaaaaa
148741	gcaacatttg	tgcaggagga	gattagaaca	cagaggagaa	ggatagcagc	actccagatg
148801	aaggggaagga	aatgtgcca	gatttcatgg	gaatgagaag	atgtaaactg	ctcaggaaaa
148861	accatgggtg	aagctcttca	cagtggctga	agcatggtgt	gattgtcagt	tttgcttgtc
148921	aacttggtca	ggctgtagta	ctcaactatt	caaccaagca	ctgatctagg	tattgctgtg
148981	aagggtatttt	gtagtcgcaa	ttaacctcta	caatcagttg	actctattta	aaggacatta
149041	ttctgtacta	tctgagtggg	cctgatccac	ttcatcccaa	aggtaaatag	ttctccaaca
149101	gtgtttctcat	ctacatctag	ggcttggaag	atgaaggtga	aggagaatat	ggaaaaacia
149161	caagaaaaaa	gtcaatcaat	cagaacttcc	agccctgtgt	ttgttagttc	actttatggt
149221	caaccagtat	gtctccactt	ttatctgctt	ccttgtaaga	tttcatctga	aaaagggaat
149281	tcactcttca	gggtgttgga	atcaattatg	agagaagcac	ttacagaatg	actatctgaa
149341	gagctctgca	gacattctcc	agagtaaaac	aaccataacc	ggtgaaaatt	aaaaaciaac
149401	aaaaataaaa	aatgttagag	tattggaaat	tgttctaagg	gccgacagca	aatgaagaaa
149461	tccaagaaag	cctaccaatt	tcagtggagag	gagtggaggt	ctatggtgtt	gagctctatgg
149521	tgtttaagtt	ctgttcattt	cctccctctc	ctgcaatcag	ttcagtgaag	cagaaaccct
149581	gctccagaga	tgtgcagcca	aaaagacagg	gtgccctttc	ccctcagctc	ccaatctagg
149641	gcagactacc	agcatttccc	aagcccatct	ctggctctat	gttgacagaag	ttctattcca
149701	agaaagtttg	actgagaatc	tgaagcttcc	ttcttccact	cagcctctac	tattaaggcg
149761	taagttctat	ccccagtgcc	acgggcccaag	aatactgatg	ctgaatgtcc	ttgtcccgct
149821	acactcatag	ggcagagatt	ccatgggagg	agtgaagttt	ccattccaga	aaaggcagaa
149881	aaacagaaat	tactgcccac	tccagtaccc	caccataaaa	gaaggaaaag	catctgagaa
149941	aagcatgaca	ctgtccccc	aaccacctgc	agagttagtg	cagtagaggc	agtagggaga
150001	ctagaggacc	tgcctagagg	gagaagtagg	ccataagaag	aaaagtctct	agttctccct
150061	aaagggacaa	actttatttg	caacagaaca	tgcggaagtt	caagcctaag	ggcactgtca
150121	aaaacaatga	atattttggg	ggtaagcaat	taataggtta	atggcagctt	agtgagagca
150181	acaaactaaa	ccataaaacca	gctagacata	tacaataaaa	atccaagaaa	gagagagcca
150241	agaagggcct	tcctgaggtt	aaaacaaaca	tcaaagtctt	gtctgaaaaa	gtctaatctgc
150301	aaaggaagca	aaatatattt	ggatcagact	gtggagcaat	ttatgcccct	aaaaagctgt
150361	caaaaaccaa	agagcaatta	tctagcaatt	gctggagggt	aacagttggg	tatgatacca
150421	aaagaggcaa	acaactgaac	agatcagaga	aagaggcagt	caaagagagc	actgctaatt
150481	gcactgtaat	tccaatttga	gagaaaatgt	gccagtgctt	gtgactccct	caggacaac
150541	atcagaggcc	acaaattatg	gtggaaaatag	gcttactat	atagtctagc	caggcaatta
150601	aacaaataaa	caattaaaca	acagtaacat	agtgaggggg	gcagaaatga	gtattgcaac
150661	tagctagaac	atatttttga	acaaaaaaat	tatgagtcaa	gcagagatat	ggaaaagaca
150721	gagccataca	ccagaaaaaa	ggtaagcaag	agaaaactgcc	tttgtgagtg	caaagatgtc
150781	agacatagca	gaaaaaaaac	ctcaaagtaa	ttattataaa	tatgttcaaa	aactaaaaga
150841	aaatgtgctt	aaaaaataaa	agatgggatg	ataatttctt	gtcaattcaa	aaataccaat
150901	aatagattaa	aaatatattt	tcaaaagtta	attaaccaaa	tggaaattct	ggggtttaa
150961	agtaaaaata	caacaataag	aacattttgc	tagaggaaat	gaacaataga	tttgtaccag
151021	aaggaaaaat	aatcaaatga	acagggattt	catcaacacc	aaacctgtct	tacaagaaat
151081	actaaaggga	gttcaatctg	aaagaaagaa	cattaacaag	caacaggaaa	tcacttgaag
151141	gtacaaaact	cactgtacct	tcagatgata	ataagtccct	aaaaaacaca	gaatatata
151201	actactgta	tatgggtgtg	aagctactta	tatcataagt	agaaagagga	aaagatgaac
151261	tgattaaaaa	acaattacaa	cagcttttca	agacagtata	ataagatata	taaataacag
151321	aaagcttaaa	agcatataaa	taaagttaaa	atgtagaggt	tttttttagt	ttctttttgc
151381	ttgattgtgt	atttatattt	gcaatcagtg	ttgttttcat	cagcataaaa	taatgggtta
151441	taagatagta	tttgcaagcc	tcatagtaac	ctcaaattta	aaaacataca	atgtatacac
151501	aaaaagtga	gagcaagaaa	ttaaaacata	ccaccaaaaa	aaatactttc	actaaaaagg
151561	agacaggga	taagaaaaga	tgggagagaa	gatcacaaaa	caaccagaaa	ataaataaca
151621	aaatggcaag	caagtcctta	tttgtcaata	ataatattga	atgtaaatgg	actatactct
151681	ccagtaaaaa	gatacagagt	gggtgaatgg	attaaaaaaa	aggacccaat	gatctgttac
151741	ctacaagaaa	taaacttcac	ttataacaat	acacagacta	aaaataaagt	catgggaaat

FIGURE 4 (cont.'d)

151801	gatactttcac	gacaatggaa	acaaaaaaag	aacaggagta	gctatacctt	tatcagacta
151861	aatagatttc	aagacaaaaa	ttgttaagaa	aaaccaaata	aggtcattat	ataatgataa
151921	agagatcagt	taagcaagag	gatgtaacaa	ttgtaaatat	atatgcactc	aacattggag
151981	cacctagata	aataaaaacaa	atattattag	agctaaagaa	agatagaccc	cctcccccac
152041	aacaataata	gctgtagatt	tcaatgctcc	actttcagca	ttggacagat	ctccagaca
152101	gaaaatcagc	aaggaaacat	cagatgtaat	ctgaactata	gaccaaagg	gcctaataag
152161	tattttacaga	atatttcatc	caaaggttac	agaagacaca	tttttctcct	tagcacatac
152221	atcatttctca	agaacaggcc	atatattagg	tcatgaatca	agtctcaaaa	cattcaaaaa
152281	aactgaaata	atctcaagca	tcttctttga	ccacaatgga	ataaaaactag	aaaccaataa
152341	caaggggaat	tttggaact	atacaaaaac	atggaaatta	aacaatatgt	tcctaataga
152401	taagtgggtc	aatgaagaaa	ttatgaattg	aattgaaaat	tttctaaaaa	caaatgacaa
152461	tggaaacata	atgcaccaga	acctatggga	tacaacaaaa	gcagtaccaa	gagtgatatt
152521	tccagataag	ggcctacatc	aaaaaggaag	aaaaacttca	agtgaataac	ctgatgatgc
152581	atcttaaaga	attaaaaagg	caagagtaaa	ccaaacccaa	aattagtaga	agaaaagaac
152641	taataaagat	cacagtagaa	ataaataaaa	ttggacttct	gctccaagat	ggcctaatag
152701	aaacagctcc	agtctgcagc	ttccagcatg	attggcacag	aagatgggtg	atttctgcat
152761	ttccaactga	ggtaccaggt	tcatctcatt	gggactgggt	ggacaatgga	tgagcccat
152821	ggaggggtgag	gtgaagcagg	gtgaggagtc	acctcacccc	ggaagcacia	gtgattgggg
152881	gatttccctt	tcctagccaa	gggaagccgt	gacagactgt	acctggaaaa	tcggttcact
152941	cccacccaaa	tactgtgctt	ttcccatagt	cttagcaacc	ggcagaccag	gagatttctt
153001	cccaagccta	gctcatcagg	tcccatgccc	acggagcctg	gctcactgct	agcacagcaa
153061	tctgagatca	acctgcgagg	ctgcagctgg	gtggggggag	gggtgtcagg	cattgtctgag
153121	gactgagtag	gtaaacaaaag	tggccaggaa	gctcaaactg	ggcagagccc	accgagctc
153181	agcaaggcct	actgcctcta	tagattccac	ctctgtgggc	agggcataac	tgaacaaaag
153241	gcagcagaca	acttctgcag	atttaaactg	ccctgcctga	cagctctgaa	gagagcagtg
153301	gttgccccag	catggcatct	gagctctgag	aacagacaga	ctgcctcctc	aagtgggtcc
153361	ctaaactcca	tgtagcctaa	ctgggagaca	tctcccata	ggggccgaca	gacacctcat
153421	acaggtgggt	gccactctgg	gacaaagctc	tcagaggaag	gatcaggaag	caatatattgc
153481	tcttctgcaa	tatttctgtg	ctgcagcct	ctgctgggtg	taccaggtga	aacagagtct
153541	ggaatggacc	tccagcaaac	tccagcagac	ctgcagctga	gggacctgac	tgctagaagg
153601	aaaactaaca	aacaaaaagg	aatagcatca	acatcaacaa	aaaggacatt	cacaccaaaa
153661	cctcatctgt	agtcaccaat	atcaaagacc	aaaggtagat	aaaaccacaa	agatggggag
153721	aaaccagagc	agaaaagctg	aaaattctaa	aaactgagca	ccgcttctcc	tccagaggat
153781	tgcaactcct	caccggcaac	ggaatgaagc	tgggtggaga	atgactttga	caagttggca
153841	gaagtaggct	tcagaaggct	ggtaataaca	aactactcca	aactaaagga	gcatgttcta
153901	acccattgca	aggaagctaa	aaaactctca	aaaaagggtta	gacaaaaggc	taactagaat
153961	aaacagtgtg	gagaggaact	taaatgacct	gatggagctg	aaaaccgtgg	catgaggaca
154021	tcatgatgca	tgcaacaagt	taaatagctg	attaaatcaa	gtggaagaaa	gaatatcagt
154081	gactgaagat	caaattaaca	aaataaagca	agaagataag	attagagaaa	aaagagtaaa
154141	aagaaatgaa	aagcacctcc	aagaaatatg	ggactatgtg	aaaaaaccaa	atctacactt
154201	gattgggtgta	cctgaaagtg	atggggagaa	ggaaaccaag	ttggaaaaca	ctcttcagaa
154261	tactatccag	gagaacttcc	ccaaactagc	aaggcaggcc	aacattcaaa	ttcaagaaat
154321	acagagaaca	ccacaaagat	attcctcaag	aagagcaacc	ccaagacaca	taattgtcag
154381	cttcaccaag	gttgaaatga	aggaaaaaaa	tgtaaagggc	agccagagag	aaacgttggg
154441	ttaccaacaa	agggaagccc	atcagactaa	aagtagctct	ctcagcagac	accctgtaag
154501	ccagaagaga	gtaggggtca	atattcaaca	ttcttaagaa	aaataatttt	caaccagaa
154561	tttcatatcc	agccaaacta	agcttcataa	gtgaaggaga	aataaaatcc	tttacagaca
154621	agcaaagtct	gagagatttt	gtcaccatca	ggcctgcctt	acaagagctc	ctgaaggaaa
154681	cactgaacat	ggaaaggaac	aactgttacc	agccactgca	aaaacacgcc	acattgtaaa
154741	gaccatcgat	gacatgaaga	aactgcaaca	attaactggc	aaaataagca	gctcacagca
154801	taatgacagg	atcaagttca	cacataacaa	tattaacctt	aaatgtaaat	gggtctaagt
154861	cctcaattaa	agacacagac	tggcaaatgt	catagagtca	agacccatca	gtgtgcggta
154921	ttcaggagac	ccatctcaca	tgcaaaagaca	cacataggga	tggaggaaga	tccaccaagc
154981	aaatggaaaag	ccaaaaaaaa	aaaaaaaaaa	aaaaaaagca	ggggttgcaa	tcctagtctc
155041	tgataaaaaca	gagttttaaac	caacaaagat	ccaaagagac	aaagaaagcc	attacataat

FIGURE 4 (cont.'d)

15071411-020702

155101	ggtaaaggga	tcaatacaac	aagaagaaca	aactatccta	aatatatatg	caaccaatat
155161	gggagcacc	agattcataa	agcaagtctg	tagagacgta	caaagagatg	tagacttcca
155221	cacaataata	atggggagact	ttaacactcc	actgtcaata	ttagacagat	caatgacaca
155281	gaaggggtcac	aaagatatcc	aggacttgaa	ttcagctatt	caccaagtgg	acctaataka
155341	catctacaga	actctacacc	ccaaatcaac	agaatgtaca	tacttctcag	caccacatca
155401	tacttattct	aaaattgacc	acataattgg	aagtaaaaca	ctcctcagca	aatgtaaaag
155461	aacagaaatc	acaacaaact	gtgtctcaga	ctacagtgc	aacaaattag	aactctggat
155521	taataaaactc	actcaaaatc	acacaactac	atggaaactg	aataaacctgc	tcctgaatga
155581	ctactgggta	cataatgaaa	tgaaggcaga	aataaagatg	ttctttgcaa	ccaataagaa
155641	caaagacaca	acataccaga	ttctccggga	cacattttaa	gcagtgtgta	cagggaaaat
155701	tatagcacta	aatgcccaca	agagaaagca	ggaaagaact	aaaatcaaca	acctaacatc
155761	gcaattaaaa	gaactagaga	agcaagagca	aacacattca	aaagctagca	gaaggcaaga
155821	aataactaag	atcagaacag	aactgaagga	gatagagaca	caaaaagcac	ttcaaaaaaa
155881	tcaatgaatc	caggagctgg	tttttaaaaa	gatcaacaaa	attaatagac	cgctagcaag
155941	aataataaag	aaaagagaga	agaatcaaat	tagactcaat	aaaaaacgat	aaaggggata
156001	taccactga	tcccatagaa	atacaaaacta	ccatcagaga	atactataaa	cacctataca
156061	taaataaaact	agaaaatcta	gaagaagggg	gaggagccaa	gatggccaaa	taggaacagc
156121	tccagtctac	agctcccagc	gtgagtgc	cagaagacgg	gtgatttctg	catttccatc
156181	tgagggtaccg	ggttcatctc	actagggagt	gccagacagt	gggcacagg	cagtgggtgc
156241	gcgcactgtg	tgcgagccaa	tgcaggggtg	ggcgttgct	cactcgggat	gtgcaagggg
156301	tcagagagtt	ccctttccta	gtcaaagaaa	ggggtgacag	atggcacctg	gaaattcggg
156361	tcactcccac	ctgaatactg	cacttttcca	acgggcttaa	aaaacggcgc	acctggagag
156421	tatatcccg	acctggcttg	gagggctcta	tgcccacgga	gtcttgctga	ttgctagcac
156481	agcagtctga	gatcaaaactg	caaggcagcg	gcgaggctgg	gggagggcg	cctgccattg
156541	cccaggcttg	cttaggtaaa	caaagcagct	gggaacctca	aactgggtgg	atcccaccac
156601	agctcaagga	ggcctgcctg	cctctgtagg	ctccacctct	gggggcaggg	cacaggcaaa
156661	caaaaagaca	gcagtaacca	ctgcagactt	aatgtccct	gtctgacagc	tttgaagaga
156721	gcagtgggtc	tcccagcacg	cagctggaga	tctgagaacg	ggcagactgc	ctcctcaagt
156781	gggtccctga	cccctgaccc	ccgagcagcc	taactgggag	gcattcccgc	gcagaggcag
156841	actgacacct	cacacagccg	ggtactccaa	cagacctgca	gctgaggggc	ctgtctgtta
156901	gaaggaaaac	taacaaaacag	aaggacatcc	acacaaaaaa	cccattctgt	catcaccatc
156961	atcaaagacc	aaaagtagat	aaaaccacaa	agatggggaa	aaaacagagc	agaaaaacta
157021	gaaactctaa	aaggcaaaagc	gcctctcctc	ctccaaagga	atgcagtccc	tcaccaggaa
157081	tggaacaaaag	ctggacggag	aatgactttg	acgagctgag	agaagaaggc	ttcagatgat
157141	caaattactc	cgaactacgg	gaggacattc	aaaccaaagg	caaagaagtt	gaaaacgttc
157201	aaaaaattta	gaagaatgta	tactagaat	aaccaatata	gagaagtgtc	taaaggagct
157261	gatggagctg	aaaaccaagg	ctcagagaact	acgtgaagac	tcaggagccg	atgcgatcaa
157321	ctggaagaaa	gggtatcagc	gatggaagat	gaaatgaatg	aaatgaatg	agaaggaaaag
157381	tttagagaaa	aaagaataaa	aagaaatgaa	caaagcctcc	aagaaatatg	ggactatgtg
157441	aaaagaccac	atctacatct	gattggcgta	cctgaaagtg	acggggagaa	tggaaaccaag
157501	ttggaaaaca	ctctgcagga	tattatccag	gagaacttcc	ccaatctagc	aaggcaggcc
157561	aacattcaga	ttcaggaaaat	acagagaacg	ccacaaaagat	actcctcgag	aagagcaaca
157621	ccaagacaca	taattgtcag	attcaccaaa	gttgaaatga	aggaacaat	gttaagggca
157681	gccagagaga	aaggctcgggt	taccctcaaa	gggaagccca	tcagactaac	agcggatctc
157741	tcggcagaaa	ctctacaagc	cagaagagag	tgggtggccaa	tattcaacat	tcttaaggaa
157801	aagaatttttc	aaaccagaat	ttcatataca	gccaaactaa	gcttcataag	tgaaggagaa
157861	ataaaatcct	ttacagacaa	gcaaagtctg	agaaattttg	tcaccaccag	gcctgcccta
157921	aaagagctcc	tgaagggaagt	gctaaacatg	gaaaggaaca	accggtacca	gccgctgcaa
157981	aatcatgcc	aaatgtaaaag	accatcgagg	ctaggaagaa	actgcataca	ctaacgagca
158041	aaacaacctg	ctaacatcat	aatgacagga	tcaaattcac	acataacaat	attaacttta
158101	catgtaaatg	gactaaatgc	tgcaatttaa	agacacagac	tggcaaatg	cataaagatt
158161	caagaccat	cagtgtgctg	tattcaggaa	acccatctca	cgggcagaga	cacacatagg
158221	ctcaaaaataa	agggatggag	gaagacctac	caagcaaatg	gaaaacaaaa	aaaaggcagg
158281	ggttgcaatc	ctagtctctg	ataaaacaga	ctttaaacca	acacagatca	aaagagacaa
158341	agaaggccat	tacttaatgg	taaagggatc	aattcaacaa	gaagagctaa	caatcctaaa

FIGURE 4 (cont.'d)

161701	atgatagact	ggattaagaa	aatgtggcac	atatacacca	tggaatacta	tgcagccata
161761	aaaaaggatg	agttcatgtc	cttttcaggg	acatggatga	agctggaaac	catcattctc
161821	agcaaactat	gacaaggaca	gaaaaccaa	caccgcatgt	tctcactcat	agatgggaac
161881	tgaacaatga	gaacacttgg	acacagggca	gggaacatca	cacaccaggg	cctgttgggg
161941	ggtggtggac	tgggggagag	atagcattag	gagaaatacc	taatgtaa	gatgagttga
162001	tggatgcagc	aaaccaacag	ggcacatcta	tacctatgta	agaaacctgc	actttgtgca
162061	caggtaccct	agaacttgaa	gtataataaa	aatgaaaaaa	agaaaatggt	actagcaaat
162121	tgtagatggg	tataccta	ataactctgc	atgtgcacta	tgtgtctgga	tacacatgga
162181	aagtattcag	gcatacacac	caaattgtta	aaataaatcc	ccttccaaca	ttaggagtgg
162241	ctggggagca	gatggctttc	acttccgcac	attccatggt	gccagggtaa	taccacatca
162301	caatagtaaa	tagcaaaaat	aacaacctta	agtttagatt	ttcttatcta	aattttaatt
162361	ctgtgaagaa	gtttccattt	ccctttttca	cacaggatag	tagaatgcag	tttagaaa
162421	gtgagatcac	ttgttagact	gtacaatttt	taagcatcag	cgaagtatac	cattaaactt
162481	ctctatcaat	ccattctcta	aacttcccaa	cccaaaaaaa	aagaaacaca	taaaattgaa
162541	attccaaaaa	caatacaaaa	gatcaacaaa	aatgaaagggt	tggcttttta	aagagataaa
162601	caaaattgac	aaatgttttag	ccagactaag	aaaaagagaa	ggcccaata	aataaaatca
162661	gagatgaaaa	agcagacatt	ataactgata	ctgcggaaat	tcaaaggatc	attaatggct
162721	actatgagca	actgtatgcc	aaacattgga	aaatattgaa	gaaatagata	aattcgtaga
162781	cacacgcaac	ctaacaagat	tcaaccatga	agaaattcaa	aatctgaaca	gacaaaaaac
162841	aagtaacaag	atcaaagcca	taattaaaat	tttcccagca	aagaaaagcc	tgagacccaa
162901	tggtttcact	gctgaattct	atcaaacatt	ttaaagaacta	ataccaatcc	tactcaaact
162961	attccaaaaa	gtagaagagg	agggaaatatt	tccaaactta	ttctatgagg	ccattactgc
163021	tcctatatca	aaaccaagga	cacatcaaaa	aaagaaaact	ataggccaat	atctcacatg
163081	aatattgatg	aatcctcaaa	aaatgctagc	aaactgaatt	caacatcaca	ttaaaaatca
163141	ttcattatga	ccaaatggga	tttatcccag	ggatgcaaat	atggttcaac	atatacacat
163201	cagtcagtg	aacatatcat	atcaacagaa	tgaagaagaa	aaaccatatg	gtcatgttaa
163261	ttgatgctga	aaaagtattt	gagagaatta	aacatctctt	catgacaaaa	accctcaaaa
163321	acactggaga	cagaaggaac	atacctcaac	acaataaaca	gacatatatg	acagactcac
163381	atctcaaatc	atactaaatg	ggggaataat	gaaagtcatt	cctctaagat	ctggaacaag
163441	acaaggatgc	tcattttcac	cagtgttagt	ggaacatagt	actgaaagtc	ctagctagaa
163501	cagactagag	acagaaataa	ggggcatcca	aactgggaag	agagaagtca	aattaccttt
163561	gttcgcagat	ggtatgatct	tctgtttgga	aaaacctaga	ctccataaaa	aaatgattag
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163681	tctatatgtc	aatagcaaac	aatctgaaaa	tgaatcaag	gaagtaatcc	catttcccat
163741	ttgcaatagc	tataaataaa	attaatataa	tctcatctct	tcaataagtg	gtgttgggaa
163801	aactgcatat	ccacatacaa	aagaataaaa	ttagaccctt	ttaatataca	aaactggacc
163861	caagttaata	tacaaaaatt	aacttgaaat	gaattaaaga	cttaaatgta	agatctgaaa
163921	ccaaaaactc	ctagagagaa	acatagggga	aaagctcctt	gacgttggcc	ttggcaataa
163981	ttttttggga	tattacacca	aaagcacaga	cttttgaaaa	aataaacaag	taggactaca
164041	tcaaaactaa	aagcttctgc	atggcaaaag	aaagtcaaca	acatgaaaag	gcaacctaca
164101	gaatggaggg	aaatatttgc	aaacctatata	cctgatgaga	agttaatatc	aaaatataga
164161	aaatatataa	ggaactcaca	tatctcaata	ccaaaaaaat	aataacctgt	tttataatgg
164221	gcaaaggacc	tgaatagaca	ttttttcaaa	gaagacacac	agatggccaa	cgagtgcagg
164281	aaaaagcggt	caacatcact	aatcatcagg	gaaatgcaaa	tcaaaaaccac	aatgagatat
164341	cactccacac	ctgttaggaa	agctattatg	aaaaacacaa	gagacaatga	atattggcaa
164401	gggcatggag	aaaaaagaac	ccttgtagac	tgttggtaga	aatgtaaatt	gcaacagcct
164461	ttatggaaaa	tagaatggag	gttcctcaaa	aaataaaaaat	agaactacca	tacaatctag
164521	caattccact	tatgagtgtg	catccaaagg	aatcaaatca	ctatgtcaaa	gagatatctg
164581	tacttccttg	tttattgcag	ctttactcac	agtagccaag	ataaggaaaa	aatctaaatg
164641	tccatcaacg	gataaagaaa	atggggggag	gggtgtgcat	gtatacatac	acaatggacc
164701	atttttcagc	cataacaaag	aaggaaaccc	tgccatttgt	gacgatatga	atgaaccag
164761	aggacattat	gttaagtga	ataagccaga	cacagaaata	caaatattgt	atgatctcat
164821	ttatatgcga	atctaaaaat	ttcaaacttg	aagacgaata	agtagaacag	tatttatcag
164881	gagctagggg	atgtggggaa	gaagcaaaat	attgggcaaa	gagtataaac	tttcagttat
164941	gagatgaagg	ccaggtgcga	tggctcatgt	tggtaatccc	aatactttgg	aaggctgagg

FIGURE 4 (cont.'d)

165001	cagaggggatt	gcttgagacc	agcctaggca	agaaagtgag	acctcatctc	tacaaaaaat
165061	aaaaataaaa	gaatcagctg	ggagtggtgg	catacacctg	tagtcccagc	tagtcaggag
165121	gctgaggggg	gaggatcatt	tgaaattgga	aagtcaaggc	tgcagtcagc	caagatagtg
165181	ccactgcatt	gcagcctggg	tgacagagcg	aaaccctgtc	tcaaaaaaaaa	aaaaaaaaaa
165241	aagatgaata	agttctgggg	atcaaattga	cagcatgggtg	actatagttt	ataactgcgt
165301	tattacttga	aattggataa	gagcagattt	taagcatccc	cagcaccccc	ccaacataca
165361	cacacacaaa	tggtaactat	aggtggtgat	agatatgtta	atltgactgt	gacaatcagc
165421	attcaatata	tacatatatc	aaatcatcac	atltttacccc	ttgaaataga	aactlttgatt
165481	tgtcaatcaa	atatttttaa	acgaaaataa	tcataatatt	aatatagcat	acaggaaaaa
165541	atlttcgtatc	tcgactgata	cagaaaaattt	catgataaaa	acactlttaaa	acaaaagaaa
165601	taaaagggaa	ctccctcaac	ctgataaatg	gcactctgtgg	aaacccccag	ctagcatcaa
165661	acttaataca	gaaaggctgg	gtgttcacct	cttgaaccag	gaacaagaca	aagatgcctg
165721	cttttgccac	ttccatttga	ccttgtactg	aggttctggc	tagggcaatt	atcccgtaaa
165781	aagaaataaa	aggcttccaa	ataaaagaag	aagtaaaact	atctctactc	gctcatgaca
165841	tgatcttgca	tatagaaaat	gtgcacatgt	acacacacac	aaaccattag	aactaataaa
165901	caagttcagc	aagtttgcag	aatataaaat	gaatgtacaa	aatcaagtg	tttttctata
165961	tactagcaat	taacaatctc	aaaatgaatt	aaaattccat	ttacaatagt	atcaaacata
166021	aattatlttag	aaataaaaaag	tgacttgaaa	actacaaaaat	atltttgaaat	aatcagaaa
166081	agatlttaagt	aaatggatca	cttgaacctg	ggaagcagag	gttgacgtgt	gccgagattg
166141	taccactgca	ctttagcctg	ggcaacagag	ggagactcca	aagagtcgaa	aagaaaagaa
166201	aagatlttaaa	taagctgaaa	catattctat	ggatcagaag	acttaatatt	gttaaagtga
166261	caatattccc	caaattgatc	tacagcttca	actcaacccc	tatcaaaatc	ctagcttgct
166321	ttttggctga	aattgacaag	ctgattctat	aatlttatatg	gaatctcaaa	ggatccagaa
166381	taacccaaac	aatattgaaa	aataaagaac	agcgttggtg	gattaacatt	ttccaatttc
166441	aaaacttact	atagcactgc	ggtaatcaag	cagtggtggca	ctgtatagca	tgtacattac
166501	agatcagtg	actagaatca	atgtccagaa	ataaacctgt	atgtlttataa	tgaattactt
166561	tttaataagg	tgtcaagaca	acgcaatggg	aaaagaataa	tgaattcaac	tgaattgatg
166621	tggacaaccg	gacatgcaca	tgcaacacaa	tgaatlttgaa	ttcttctatc	gctccatgca
166681	taaaaactaa	gtcaaaatgg	gtcacggatg	taaatgaaaa	gctaaaaacta	taataatcct
166741	agaggaaaac	ctaggagtaa	atctlttaaga	tgttatttga	ggcagtggtt	tctcagatag
166801	gaccccaaaa	tcacaagcga	caaaagaaat	tggactttaa	gttaaatact	tttgtgcttc
166861	aaacatcatc	aagaaagtga	aaacacaacc	cgcagaagca	ataaaaaatgt	ctgtaagtca
166921	tgtatccgat	tagagacttc	tatccaggat	atataaataa	tgcaattcaa	tgataaaaaa
166981	gataaatagc	ccagttlttcc	aaagagtcaa	gcactctgaat	atacatctct	ccaaaaatat
167041	acagatatcc	aacaagcatg	tgaaaagatg	ttcaaagcca	tttgccaggt	gcacaaaccc
167101	aagacagtat	gaggagatgc	tacagggact	ctgctgcttc	acagacatga	agcgttggtg
167161	agaatgtagg	cagccgcctt	tggggacttc	acatccccgc	cgcgccacgc	acggtgagct
167221	agtgtlttaa	cttagccgag	atcaatacac	gcgactgtgt	gcccgtcaga	ccctgcgctg
167281	ccggcggggc	tgggagaggg	gggcgccagg	agtgggcggg	aacctggggg	tcaggcccca
167341	gccgcgggaa	gccgcccagg	agcgcgcgaa	accttctcca	cacccttcca	ggcatttgcc
167401	cgcgcgcgatt	cagagagccg	acccgtgacc	cctggcctcc	cctagacagc	cccgcatgtc
167461	cagatgtgcc	gtcccgcctg	cctcccgcga	ccactggcca	tctctgggcc	tgggcgcggt
167521	ctcggcgccc	gcctgcccc	gccaggagcc	gcaggtccag	ccagtgaaga	agcccgcgt
167581	gaaggagcct	ctgtgctcca	gaatccatcc	tcagtatcag	cgtggggtg	gcctcctcca
167641	ggaagccctt	ctgattctct	catgggtcgc	tcttctctctg	cagactcccg	gagcaccctt
167701	gtcccaagta	ccgcaagtgg	cactgagaac	ttggggagag	cagaggctgt	gcctagattt
167761	gtagggagtc	cccgcagctc	cacccagggg	cctacaggag	cctggccttg	ggcgaagccg
167821	aggcaggcag	gcagggcaaa	gggtggaagc	aattcaggag	agaacgagtg	aacgaatgga
167881	tgaggggtgg	cagccgaggt	tgccccagtc	ccctggctgc	aggaacagac	acctcgctga
167941	ggagagaccc	aggagcgagg	ccccctgccc	ggccgagggc	aggtcccgc	cgtcgccgc
168001	cgcgtgaaga	gtgggagaga	atactgcggg	ggcgggggcg	ggggcggggg	cggggcgggg
168061	ggccgcgggg	agcctggagc	cagaccgggc	ggggccggca	ccgggcccagg	gacagtgggg
168121	gaggaggctg	cgggctgagc	gaccctgacc	ccccccagtc	cgcgctgggt	ccgg

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A DOCPHOENIX

APPL PARTS



371P
PCT Papers in a 371 Application

A...
Amendment Including Elections

ABST
Abstract

87-01-02ADS 3
Application Data Sheet

AF/D
Affidavit or Exhibit Received

APPENDIX
Appendix

ARTIFACT
Artifact

BIB
Bib Data Sheet

CLM
Claim

COMPUTER
Computer Program Listing

CRFL
All CRF Papers for Backfile

DIST
Terminal Disclaimer Filed

DRW
Drawings

FOR
Foreign Reference

FRPR
Foreign Priority Papers

IDS
IDS Including 1449

NPL
Non-Patent Literature

OATH
Oath or Declaration

PET.
Petition

RETMAIL
Mail Returned by USPS

SEQLIST
Sequence Listing

SPEC
Specification

SPEC NO
Specification Not in English

TRNA
Transmittal New Application

CTNF
Count Non-Final

CTRS
Count Restriction

EXIN
Examiner Interview

M903
DO/EO Acceptance

M905
DO/EO Missing Requirement

NFDR
Formal Drawing Required

NOA
Notice of Allowance

PETDEC
Petition Decision

OUTGOING



1449
Signed 1449

892
892

ABN
Abandonment

APDEC
Board of Appeals Decision

APEA
Examiner Answer

CTAV
Count Advisory Action

CTEQ
Count Ex parte Quayle

CTFR
Count Final Rejection

INCOMING

AP.B
Appeal Brief

C.AD
Change of Address

N/AP
Notice of Appeal

PA..
Change in Power of Attorney

REM
Applicant Remarks in Amendment

XT/
Extension of Time filed separate

BACKFILE DOCUMENT INDEX SHEET

Internal

SRNT
Examiner Search Notes

CLMPTO
PTO Prepared Complete Claim Set

ECBOX
Evidence Copy Box Identification

WCLM
Claim Worksheet

WFEE
Fee Worksheet

File Wrapper

FWCLM
File Wrapper Claim

IIFW
File Wrapper Issue Information

SRFW
File Wrapper Search Info